ULTRA SPEC 500 INTERIOR EGGSHELL FINISH (N538) by Benjamin Moore & Co.

CLASSIFICATION: 09 00 00.00 Finishes: Finishes

PRODUCT DESCRIPTION: A professional-quality interior waterborne eggshell finish based on a proprietary acrylic resin that tints on the Gennex® zero VOC colorant system. This waterborne interior eggshell provides a decorative scrubbable finish that qualifies for LEED® credit and passes the most stringent environmental standards in any color. Because it tints on our Gennex® waterborne colorant system all Ultra Spec® 500 finishes are available in any color without an increase in VOC.

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

Explaination(s) provided for Residuals/Impurities?
- Yes
- No

Are All Substances Above the Threshold Indicated:
- Characterized
- Yes
- No

Percent Weight and Role Provided?
- Yes
- No

Screened
- Using Priority Hazard Lists with Results Disclosed?
- Yes
- No

Identified
- Name and Identifier Provided?
- 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

ULTRA SPEC 500 INTERIOR EGGSHELL FINISH (N538) | WATER BM-4
2-PROPENOIC ACID, POLYMER WITH BUTYL 2-PROPENOATE AND ETHENYL ACETATE LT-UNK TITANUM DIOXIDE LT-1 | CAN | END METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE LT-UNK KAOLIN, CALCINED LT-UNK LIMESTONE; CALCIUM CARBONATE LT-UNK 2-2'-ETHYLENEDIOXYDIETHYL BIS(2-ETHYLEXYANOLATE) LT-UNK VINYL ACETATE, POLYMER WITH N-BUTYL ACRYLATE LT-UNK NEPHELINE SYENITE LT-UNK SILICA, AMORPHOUS LT-1 | RES POLYETHYLENE GLYCOL LT-UNK ISOOCTYL ALCOHOL PHOSPHATE, POTASSIUM SALT NoGS ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS LT-UNK SODIUM LAURETH SULFATE LT-1 | MUL

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0.00
Regulatory (g/l): 0.0

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

CERTIFICATIONS AND COMPLIANCE

VOC emissions: CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario
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.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☑ Yes</td>
<td>VERIFIER:</td>
<td>PUBLISHED DATE: 2018-08-31</td>
</tr>
<tr>
<td>☐ No</td>
<td>VERIFICATION #:</td>
<td>EXPIRY DATE: 2021-08-31</td>
</tr>
</tbody>
</table>

**SCREENING DATE:** 2018-08-31  
**PUBLISHED DATE:** 2018-08-31  
**EXPIRY DATE:** 2021-08-31  

**ULTRA SPEC 500 INTERIOR EGGSHELL FINISH (N538)**

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HPD v2.1 created via HPDC Builder Page 2 of 9
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)

<table>
<thead>
<tr>
<th>Material Description</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>Role</th>
<th>Hazards</th>
<th>Agency(Ies) with warnings</th>
<th>Substance Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ULTRA SPEC 500 INTERIOR EGGSHELL FINISH (N538)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td>45.0000 - 55.0000</td>
<td>BM-4</td>
<td>None</td>
<td>No</td>
<td>Thinner/solvent</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>None</td>
</tr>
<tr>
<td>2-Propenoic Acid, Polymer with Butyl 2-Propenoate and Ethenyl Acetate</td>
<td>25085-41-0</td>
<td>15.0000 - 30.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>None</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>10.0000 - 20.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Color Pigment</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
<td></td>
</tr>
</tbody>
</table>
### Methacrylate, Copolymer with Butyl Acrylate

**ID:** 25852-37-3

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.0000 - 25.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**HAZARDS:**
None Found
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** None

### Kaolin, Calcined

**ID:** 92704-41-1

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0000 - 5.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Extender filler</td>
</tr>
</tbody>
</table>

**HAZARDS:**
None Found
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** None

### Limestone; Calcium Carbonate

**ID:** 1317-65-3

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0000 - 15.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Extender filler</td>
</tr>
</tbody>
</table>

**HAZARDS:**
None Found
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** None

### 2,2'-Ethenedioxydiethyl Bis(2-Ethylhexanoate)

**ID:** 94-28-0

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0000 - 5.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Coalescing agent</td>
</tr>
</tbody>
</table>

**HAZARDS:**
None Found
No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** None

### Vinyl Acetate, Polymer with N-Butyl Acrylate

**ID:** 25067-01-0
NEPHELINE SYENITE

ID: 37244-96-5

%: 0.5000 - 10.0000

GS: LT-UNK
RC: None
NANO: No
ROLE: Extender filler

HAZARDS:
AGENCY(IES) WITH WARNINGS:
None Found
No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

SILICA, AMORPHOUS

ID: 7631-86-9

%: Impurity/Residual

GS: LT-P1
RC: None
NANO: No
ROLE: Impurity/Residual

HAZARDS:
AGENCY(IES) WITH WARNINGS:
CANCER
Japan - GHS
Carcinogenicity - Category 1A
CANCER
Australia - GHS
H350i - May cause cancer by inhalation

SUBSTANCE NOTES: None

ALCOHOLS, C9-11, ETHOXYLATED

ID: 68439-46-3

%: 0.1000 - 1.0000

GS: LT-P1
RC: None
NANO: No
ROLE: Surfactant

HAZARDS:
AGENCY(IES) WITH WARNINGS:
MULTIPLE
German FEA - Substances Hazardous to Waters
Class 2 - Hazard to Waters

SUBSTANCE NOTES: None

SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES, SHOWN TO CONTAIN LESS THAN 3 % DMSO AS MEASURED BY IP 346

ID: 64742-65-0

%: 0.1000 - 1.0000

GS: LT-UNK
RC: None
NANO: No
ROLE: Defoamer

HAZARDS:
AGENCY(IES) WITH WARNINGS:
None Found
No warnings found on HPD Priority lists

SUBSTANCE NOTES: None
## HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346

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

**HAZARDS:**

None Found

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** None

## HYDROXYETHYL CELLULOSE

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
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<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1000 - 1.0000</td>
<td>LT-P1</td>
<td></td>
<td></td>
<td>Rheology modifier</td>
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</table>

**HAZARDS:**

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

**SUBSTANCE NOTES:** None

## ALUMINA TRIHYDRATE

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
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<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impurity/Residual</td>
<td>BM-2</td>
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<td></td>
<td>Impurity/Residual</td>
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</tbody>
</table>

**HAZARDS:**

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

**SUBSTANCE NOTES:** None

## POLYETHYLENE GLYCOL

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impurity/Residual</td>
<td>LT-UNK</td>
<td></td>
<td></td>
<td>Impurity/Residual</td>
</tr>
</tbody>
</table>

**HAZARDS:**

None Found

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** None

## ISOOCYL ALCOHOL PHOSPHATE, POTASSIUM SALT

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0500 - 0.5000</td>
<td>NoGS</td>
<td></td>
<td></td>
<td>Additive</td>
</tr>
<tr>
<td>Substance</td>
<td>ID</td>
<td>%</td>
<td>GS</td>
<td>RC</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>--------</td>
<td>---------</td>
<td>--------</td>
<td>----</td>
</tr>
<tr>
<td>ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS</td>
<td>68439-57-6</td>
<td>0.0500 - 0.5000</td>
<td>LT-UNK</td>
<td>None</td>
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<tr>
<td>SODIUM LAURETH SULFATE</td>
<td>68585-34-2</td>
<td>0.0000 - 0.5000</td>
<td>LT-P1</td>
<td>None</td>
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</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.

### VOC EMISSIONS

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
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<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
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<tr>
<td>ISSUE DATE:</td>
<td>2016-11-11</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2018-11-11</td>
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<tr>
<td>CERTIFIER OR LAB:</td>
<td>Berkley Analytical</td>
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<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>None</td>
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</tbody>
</table>

### VOC CONTENT

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<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
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<tbody>
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<td>CERTIFICATE URL:</td>
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<td>EXPIRY DATE:</td>
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</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>None</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>None</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 Drive
Montvale NJ 07645, USA
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 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.