ULTRA SPEC 500 INTERIOR GLOSS FINISH (540) by Benjamin Moore & Co.

CLASSIFICATION: 09 00 00.00 Finishes: Finishes

PRODUCT DESCRIPTION: A professional-quality interior waterborne gloss finish based on a proprietary acrylic resin that tints on the Gennex® zero VOC colorant system. This waterborne interior gloss has excellent stain release so it washes clean easily. The product qualifies for LEED® v4 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

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Threshold Disclosed Per</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>Are All Substances Above the Threshold Indicated:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>100 ppm</td>
<td>Considered</td>
<td>Charactersized Yes No</td>
</tr>
<tr>
<td>Product</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td>Yes No</td>
</tr>
</tbody>
</table>

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 GLOSS FINISH (540) | WATER | BM-4 | LT-UNK | 2-PROPENOIC ACID, POLYMER WITH BUTYL 2-PROPENOATE AND ETHENYL ACETATE LT-UNK KAOLIN CLAY LT-UNK | CAN NEPHELINE SYENITE LT-UNK SILICA, AMORPHOUS LT-P1 | CAN ETHOXYLATED BRANCHED C11-C14, C13-RICH ALCOHOLS LT-UNK SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES, SHOWN TO CONTAIN LESS THAN 3 % DMSO AS MEASURED BY IP 346 HT-UNK POLYETHYLENE GLYCOL LT-UNK HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346 LT-UNK ETHOXYLATED-2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL LT-P1 | MUL HEXANEDIOIC ACID, DIHYDRAZIDE NoGS SODIUM LAURETH SULFATE LT-PT | MUL ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS LT-UNK ACETONE BM-2 | EYE | PHY | END | DEL TITANIUM DIOXIDE LT-1 | CAN | END |

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0.45 Regulatory (g/l): 1.239

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

CERTIFICATIONS AND COMPLIANCE

VOC emissions: CDPH Standard Method V1.2 (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.
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 500 INTERIOR GLOSS FINISH (540)

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** No  
**RESIDUALS AND IMPURITIES NOTES:** Based on data provided by raw material suppliers  
**OTHER PRODUCT NOTES:** None

<table>
<thead>
<tr>
<th>WATER</th>
<th>ID: 7732-18-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 50.0000 - 60.0000</td>
<td>Role: Thinner/solvent</td>
</tr>
<tr>
<td>GS: BM-4</td>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
<td></td>
</tr>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
</tr>
<tr>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
<tr>
<td>SUBSTANCE NOTES: None</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROPRIETARY POLYMER</th>
<th>ID: Undisclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 20.0000 - 30.0000</td>
<td>Role: Binder</td>
</tr>
<tr>
<td>GS: LT-UNK</td>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
<td></td>
</tr>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
</tr>
<tr>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
<tr>
<td>SUBSTANCE NOTES: Non-hazardous per GHS criteria</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2-PROPENOIC ACID, POLYMER WITH BUTYL 2-PROPENOATE AND ETHENYL ACETATE</th>
<th>ID: 25085-41-0</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 5.0000 - 15.0000</td>
<td>Role: Binder</td>
</tr>
<tr>
<td>GS: LT-UNK</td>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
<td></td>
</tr>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
</tr>
<tr>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
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<tr>
<td>SUBSTANCE NOTES: None</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KAOLIN CLAY</th>
<th>ID: 1332-58-7</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NEPHELINE SYENITE
ID: 37244-96-5
%
0.5000 - 1.0000
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

SUBSTANCE NOTES: None

ETHOXYLATED BRANCHED C11-C14, C13-RICH ALCOHOLS
ID: 78330-21-9
%
0.5000 - 1.0000
GS: LT-UNK
RC: None
NANO: No
ROLE: Surfactant

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

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
%
0.0500 - 0.5000
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
<table>
<thead>
<tr>
<th>Substance Name</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>POLYETHYLENE GLYCOL</td>
<td>25322-68-3</td>
<td></td>
<td></td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>None</td>
</tr>
<tr>
<td>HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL),</td>
<td>64742-54-7</td>
<td>0.0500 - 0.5000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Defoamer</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>None</td>
</tr>
<tr>
<td>CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHOXYLATED-2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL</td>
<td>9014-85-1</td>
<td>0.0100 - 0.5000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Surfactant</td>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters</td>
<td>None</td>
</tr>
<tr>
<td>HEXANEDIOIC ACID, DIHYDRAZIDE</td>
<td>1071-93-8</td>
<td>0.0100 - 0.2000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Cross-linker</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>None</td>
</tr>
<tr>
<td>SODIUM LAURETH SULFATE</td>
<td>68585-34-2</td>
<td>0.0100 - 0.2000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Additive</td>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters</td>
<td>None</td>
</tr>
</tbody>
</table>
### Alkenes, C14-16 Alpha-, Sulfonated, Sodium Salts

**ID:** 68439-57-6  
**%:** 0.0100 - 0.1500  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Additive  

None Found  
No warnings found on HPD Priority lists  

**SUBSTANCE NOTES:** None

### Acetone

**ID:** 67-64-1  
**%:** Impurity/Residual  
**GS:** BM-2  
**RC:** None  
**NANO:** No  
**ROLE:** Impurity/Residual  

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
**EU - R-phrases**  
**R36 - Irritating to eyes**  

**EU - GHS (H-Statements)**  
**H225 - Highly flammable liquid and vapour**  
**H319 - Causes serious eye irritation**  

**TEDX - Potential Endocrine Disruptors**  
**Potential Endocrine Disruptor**  

**DEVELOPMENTAL**  
**MAK**  
**Pregnancy Risk Group B**

**SUBSTANCE NOTES:** None

### Titanium Dioxide

**ID:** 13463-67-7  
**%:** 0.0000 - 5.0000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**ROLE:** Color Pigment  

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
**US CDC - Occupational Carcinogens**  
**Carcinogenic - specific to chemical form or exposure route**  

**CA EPA - Prop 65**  
**Carcinogen - specific to chemical form or exposure route**  

**IARC**  
**Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**  

**TEDX - Potential Endocrine Disruptors**  
**Potential Endocrine Disruptor**  

**MAK**  
**Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value**

**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>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>None</td>
</tr>
</tbody>
</table>

CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

| ISSUE DATE: | 2016-11-30 |
| EXPIRY DATE: | 2019-11-30 |
| CERTIFIER OR LAB: | Berkeley Analytical |

**VOC CONTENT**

<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>
<td></td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>None</td>
</tr>
</tbody>
</table>

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

| ISSUE DATE: | 2018-08-31 |
| CERTIFIER OR LAB: | None |

**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 COLORANT (229)**

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Required for all tinted products

**Section 5: General Notes**

SDS/TDS available at www.benjaminmoore.com
## MANUFACTURER INFORMATION

**MANUFACTURER:** Benjamin Moore & Co.  
**ADDRESS:** 101 Paragon Drive  
**City:** Montvale  
**State:** NJ  
**Zip Code:** 07645  
**COUNTRY:** USA  
**WEBSITE:** www.Benjaminmoore.com  
**CONTACT NAME:** Edja Kouassi  
**TITLE:** Technical Project Manager  
**PHONE:** 973-252-2607  
**EMAIL:** Edja.kouassi@benjaminmoore.com

## 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>GLO Global warming</td>
<td>PreC Preconsumer (Post-Industrial)</td>
<td>Inventory Methods:</td>
</tr>
<tr>
<td>CAN Cancer</td>
<td>MAM Mammalian/systemic/organ toxicity</td>
<td>PostC Postconsumer</td>
<td>Nested Method / Material Threshold Substances listed within each material per threshold indicated per material</td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>MUL Multiple hazards</td>
<td>Both Both Preconsumer and Postconsumer</td>
<td>Nested Method / Product Threshold Substances listed within each material per threshold indicated per product</td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>NEU Neurotoxicity</td>
<td>Unk Inclusion of recycled content is unknown</td>
<td>Basic Method / Product Threshold Substances listed individually per threshold indicated per product</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>OZO Ozone depletion</td>
<td>None Does not include recycled content</td>
<td>Nano Composed of nano scale particles or nanotechnology</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td>PBT Persistent Bioaccumulative Toxic</td>
<td>Preparer Third party preparer, if not self-prepared by manufacturer</td>
<td>Third Party Verified Verification by independent certifier approved by HPDC</td>
</tr>
<tr>
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<td><strong>GreenScreen (GS)</strong></td>
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</tr>
</tbody>
</table>

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 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.