CLASSIFICATION: 09 00 00.00 Finishes: Finishes

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

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

Percent Weight and Role Provided?

Screened
- Using Priority Hazard Lists with Results Disclosed?

Identified
- Name and Identifier Provided?

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 SEMI-GLOSS FINISH (N539) | WATER | BM-4 | METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE | LT-UNK
| 2-PROPENOIC ACID, POLYMER WITH BUTYL 2-PROPENOATE AND ETHENYL ACETATE | LT-UNK
| TITANIUM DIOXIDE | LT-1
| KAOLIN CLAY | LT-UNK
| NEPHELINE SYENITE | LT-UNK
| LIMESTONE; CALCIUM CARBONATE | LT-UNK
| 2,2'-ETHYLENEDIOXYDIETHYL BIS-ETHYLHEXANOATE | LT-UNK
| SILICA, AMORPHOUS | LT-P1
| ALUMINA TRIHYDRATE | BM-2
| SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES, SHOWN TO CONTAIN LESS THAN 3 % DMSO AS MEASURED BY IP 346 | LT-UNK
| POLYETHYLENE GLYCOL | LT-UNK
| HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL), CONTAINING LESS THAN 3% DSMO AS MEASURED BY IP 346 | LT-UNK
| POLYETHYLENE GLYCOL | LT-UNK
| ETHOXYLATED-2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL | LT-1
| ISOOCYTL ALCOHOL PHOSPHATE, POTASSIUM SALT | NoGS
| HEXANEDIOIC ACID, DIHYDRAZIDE | NoGS
| SODIUM LAURETH SULFATE | LT-P1
| ALKANES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS | LT-UNK
| POTASSIUM CARBONATE, ANHYDROUS | LT-P1
| ACETONE | BM-2
| EYE | PHY
| END | DEL

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0.498
Regulatory (g/l): 1.250

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: 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.

<table>
<thead>
<tr>
<th>Third Party Verified?</th>
<th>PREPARER: Self-Prepared</th>
<th>SCREENING DATE: 2017-06-08</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Yes</td>
<td></td>
<td>PUBLISHED DATE: 2018-08-31</td>
</tr>
<tr>
<td>☐ No</td>
<td></td>
<td>EXPIRY DATE: 2020-06-08</td>
</tr>
</tbody>
</table>

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-06-08

PUBLISHED DATE: 2018-08-31

EXPIRY DATE: 2020-06-08
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 SEMI-GLOSS FINISH (N539)

<table>
<thead>
<tr>
<th>MATERIAL THRESHOLD:</th>
<th>100 ppm</th>
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</thead>
<tbody>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED:</td>
<td>No</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
<td></td>
</tr>
<tr>
<td>OTHER PRODUCT NOTES:</td>
<td></td>
</tr>
<tr>
<td>WATER</td>
<td></td>
</tr>
<tr>
<td>ID: 7732-18-5</td>
<td></td>
</tr>
<tr>
<td>%: 50.0000 - 60.0000</td>
<td>GS: BM-4</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:</td>
<td></td>
</tr>
</tbody>
</table>

### METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE

<table>
<thead>
<tr>
<th>%: 15.0000 - 25.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUBSTANCE NOTES:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2-PROPENOIC ACID, POLYMER WITH BUTYL 2-PROPENOATE AND ETHENYL ACETATE

<table>
<thead>
<tr>
<th>%: 15.0000 - 25.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>SUBSTANCE NOTES:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TITANIUM DIOXIDE

<table>
<thead>
<tr>
<th>ID: 13463-67-7</th>
</tr>
</thead>
</table>
HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER US CDC - Occupational Carcinogens Occupational Carcinogen
CANCER CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route
CANCER IARC Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor
CANCER MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

KAOLIN CLAY

ID: 1332-58-7

%: 5.0000 - 10.0000 GS: LT-UNK RC: None NANO: No ROLE: Extender filler

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER MAK Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

NEPHELINE SYENITE

ID: 37244-96-5

%: 5.0000 - 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:

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 5.0000 - 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:

2,2’-ETHYLENEDIOXYDIETHYL BIS(2-ETHYLHEXANOATE)

ID: 94-28-0
### Silica, Amorphous

**ID:** 7631-86-9  
**%:** Impurity/Residual  
**GS:** LT-P1  
**Role:** Impurity/Residual  
**Hazard:** Cancer  
**Agency:** Japan - GHS  
**Note:** Carcinogenicity - Category 1A

### Ethoxylated Branched C11-C14, C13-Rich Alcohols

**ID:** 78330-21-9  
**%:** 0.1000 - 1.0000  
**GS:** LT-UNK  
**Role:** Surfactant  
**Hazard:**  
**Agency:**  
**Note:**

### Alcohols, C9-11, Ethoxylated

**ID:** 68439-46-3  
**%:** 0.1000 - 1.0000  
**GS:** LT-P1  
**Role:** Surfactant  
**Hazard:**  
**Agency:** German FEA - Substances Hazardous to Waters  
**Note:** Class 2 - Hazard to Waters

### Alumina Trihydrate

**ID:** 21645-51-2  
**%:** Impurity/Residual  
**GS:** BM-2  
**Role:** Impurity/Residual  
**Hazard:** Respiratory  
**Agency:** AOEC - Asthmagens  
**Note:** Asthmagen (ARs) - sensitizer-induced - inhalable forms only
<table>
<thead>
<tr>
<th>Substance Description</th>
<th>ID</th>
<th>Consistency Range</th>
<th>Grade</th>
<th>Regulatory Code</th>
<th>Nano</th>
<th>Role</th>
<th>Hazards Agency(ies) with Warnings</th>
<th>Substance Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent-Dewaxed Heavy Paraffinic Petroleum Distillates, shown to contain less than 3% DMSO as measured by IP 346</td>
<td>64742-65-0</td>
<td>0.0500 - 0.5000</td>
<td>LTK</td>
<td>None</td>
<td>No</td>
<td>Defoamer</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>25322-68-3</td>
<td>Impurity/Residual</td>
<td>LTK</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
<tr>
<td>Hydrotreated Heavy Paraffinic Petroleum Distillates (Mineral Oil), containing less than 3% DMSO as measured by IP 346</td>
<td>64742-54-7</td>
<td>0.0500 - 0.5000</td>
<td>LTK</td>
<td>None</td>
<td>No</td>
<td>Defoamer</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</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 German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters</td>
<td></td>
</tr>
<tr>
<td>Isooctyl Alcohol Phosphate, Potassium Salt</td>
<td>68847-19-8</td>
<td>0.0100 - 0.2000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Additive</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
</tbody>
</table>
**HEXANEDIOIC ACID, DIHYDRAZIDE**  
ID: 1071-93-8  
%: 0.0100 - 0.2000  
GS: NoGS  
RC: None  
NANO: No  
ROLE: Cross-linker  
HAZARDS: None Found  
Agency(ies) with warnings:  
No warnings found on HPD Priority lists  

**SODIUM LAURETH SULFATE**  
ID: 68585-34-2  
%: 0.0100 - 0.2000  
GS: LT-P1  
RC: None  
NANO: No  
ROLE: Additive  
HAZARDS: MULTIPLE  
German FEA - Substances Hazardous to Waters  
Class 2 - Hazard to Waters  

**ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS**  
ID: 68439-57-6  
%: 0.0100 - 0.1500  
GS: LT-UNK  
RC: None  
NANO: No  
ROLE: Additive  
HAZARDS: None Found  
Agency(ies) with warnings:  
No warnings found on HPD Priority lists  

**POTASSIUM CARBONATE, ANHYDROUS**  
ID: 584-08-7  
%: 0.0100 - 0.1000  
GS: LT-P1  
RC: None  
NANO: No  
ROLE: Additive  
HAZARDS: None Found  
Agency(ies) with warnings:  
No warnings found on HPD Priority lists  

**ACETONE**  
ID: 67-64-1  
%: Impurity/Residual  
GS: BM-2  
RC: None  
NANO: No  
ROLE: Impurity/Residual  
HAZARDS:  
Agency(ies) with warnings:  

<table>
<thead>
<tr>
<th>EYE IRRITATION</th>
<th>EU - R-phrases</th>
<th>R36 - Irritating to eyes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL HAZARD (REACTIVE)</td>
<td>EU - GHS (H-Statements)</td>
<td>H225 - Highly flammable liquid and vapour</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>DEVELOPMENTAL</td>
<td>MAK</td>
<td>Pregnancy Risk Group B</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES:
### 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

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

<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>
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<tr>
<td>ISSUE DATE:</td>
<td>2016-11-30</td>
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<tr>
<td>EXPIRY DATE:</td>
<td>2019-11-30</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>Berkeley Analytical</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>None</td>
</tr>
</tbody>
</table>

#### VOC CONTENT

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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
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</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
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<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2018-08-31</td>
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<tr>
<td>EXPIRY DATE:</td>
<td></td>
</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 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  
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

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>GreenScreen (GS)</th>
<th>Recycled Types</th>
<th>Other Terms</th>
<th>Inventory Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td>GLO Global warming</td>
<td>BM-4 Benchmark 4 (prefer-safer chemical)</td>
<td>PreC Preconsumer (Post-Industrial)</td>
<td>Nested Method / Material Threshold Substances listed within each material per threshold indicated per material</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 Postconsumer</td>
<td>Nested Method / Product Threshold Substances listed within each material per threshold indicated per product</td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>MUL Multiple hazards</td>
<td>BM-2 Benchmark 2 (use but search for safer substitutes)</td>
<td>Both Both Preconsumer and Postconsumer</td>
<td>Basic Method / Product Threshold Substances listed individually per threshold indicated per product</td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>NEU Neurotoxicity</td>
<td>BM-1 Benchmark 1 (avoid - chemical of high concern)</td>
<td>Unk Inclusion of recycled content is unknown</td>
<td>Nano Composed of nano scale particles or nanotechnology</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>OZO Ozone depletion</td>
<td>BM-U Benchmark Unspecified (insufficient data to benchmark)</td>
<td>None Does not include recycled content</td>
<td>Third Party Verified Verification by independent certifier approved by HPDC</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td>PBT Persistent Bioaccumulative Toxic</td>
<td></td>
<td></td>
<td>Preparer Third party preparer, if not self-prepared by manufacturer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Applicable facilities Manufacturing sites to which testing applies</td>
</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 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.