ULTRA SPEC EXT GLOSS FINISH (N449)  
by Benjamin Moore & Co.

**CLASSIFICATION:**  09 00 00.00 Finishes: Finishes

**PRODUCT DESCRIPTION:**  A professional quality 100% acrylic exterior gloss finish which features excellent hiding, film durability and color retention. Fast-dry formula allows for quick re-coating as well as low temperature application.

## Section 1: Summary

**CONTENT INVENTORY**

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold Disclosed Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>Material</td>
</tr>
<tr>
<td>Basic Method</td>
<td>Product</td>
</tr>
</tbody>
</table>

**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?**

- Yes
- No

**Characterized**

- Yes
- No

**Percent Weight and Role Provided?**

- Yes
- No

**Screened**

- Yes
- No

**Using Priority Hazard Lists with Results Disclosed?**

- Yes
- No

**Identified**

- Yes
- No

**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**

| ULTRA SPEC EXT GLOSS FINISH (N449) | WATER BM-4 METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE LT-UNK TITANIUM DIOXIDE LT-1 CAN END ZINC OXIDE BM-1 RES AQU BM-2 1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE LT-UNK CAN SILICA, AMORPHOUS LT-P1 CAN HYDROXYETHYL CELLULOSE LT-P1 END OCTYLPHENOXY POLYETHOXETHANOL LT-P1 END MUL ALUMINA TRIHYDRATE BM-2 RES PROPYLENE GLYCOL BM-2 END ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS LT-UNK |

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

- Material (g/l): 18
- Regulatory (g/l): 45.0

- 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: 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

**CONSISTENCY WITH OTHER PROGRAMS**

- No pre-checks completed or disclosed.

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**PREPARER:** Self-Prepared  
**VERIFIER:**  
**VERIFICATION #:**  
**SCREENING DATE:** 2018-08-31  
**PUBLISHED DATE:** 2018-08-31  
**EXPIRY DATE:** 2021-08-31

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ULTRA SPEC EXT GLOSS FINISH (N449)  
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HPD v2.1 created via HPDC Builder Page 1 of 7
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

<table>
<thead>
<tr>
<th>Product</th>
<th>ID</th>
<th>% Range</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>45.0000 - 50.0000</td>
<td>BM-4</td>
<td>None</td>
<td>No</td>
<td>Thinner/solvent</td>
</tr>
<tr>
<td>METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE</td>
<td>25852-37-3</td>
<td>20.0000 - 25.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>15.0000 - 20.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Color Pigment</td>
</tr>
</tbody>
</table>

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

### Carcinogen Group 4
- **Non-genotoxic carcinogen with low risk under MAK/BAT levels**

### Substance Notes:
- None

#### Zinc Oxide
- **ID:** 1314-13-2
- **%:** 1.0000 - 5.0000
- **GS:** BM-1
- **RC:** None
- **NANO:** No
- **ROLE:** Additive

- **HAZARDS:**
  - **RESPIRATORY**
    - **AOEC** - Asthmagens
      - Asthmagen (ARs) - sensitizer-induced - inhalable forms only
  - **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

- **SUBSTANCE NOTES:** None

#### 1,3-Pentanediol, 2,2,4-Trimethyl-, Monoisobutyrate
- **ID:** 25265-77-4
- **%:** 0.5000 - 1.0000
- **GS:** LT-UNK
- **RC:** None
- **NANO:** No
- **ROLE:** Coalescing agent

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

- **SUBSTANCE NOTES:** None

#### Silica, Amorphous
- **ID:** 7631-86-9
- **%:** Impurity/Residual
- **GS:** LT-P1
- **RC:** None
- **NANO:** No
- **ROLE:** Impurity/Residual

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

- **SUBSTANCE NOTES:** None

#### Hydroxyethyl Cellulose
- **ID:** 9004-62-0

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**ULTRA SPEC EXT GLOSS FINISH (N449)**
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**HPD v2.1 created via HPDC Builder Page 3 of 7**
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>%: 0.1000 - 0.5000</th>
<th>GS: BM-2</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Additive</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPYLENE GLYCOL</td>
<td>57-55-6</td>
<td></td>
<td></td>
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<td>SUBSTANCE NOTES: None</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>ALKENCES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS</td>
<td>68439-57-6</td>
<td>%: 0.1000 - 0.5000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Additive</td>
</tr>
<tr>
<td>SUBSTANCE NOTES: None</td>
<td></td>
<td></td>
<td></td>
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<tr>
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<td></td>
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</tbody>
</table>
None Found  No warnings found on HPD Priority lists

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>APPLICABLE FACILITIES</th>
<th>CERTIFICATE URL</th>
<th>ISSUE DATE</th>
<th>EXPIRY DATE</th>
<th>CERTIFIER OR LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-declared</td>
<td>All</td>
<td></td>
<td>2018-08-31</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: None

### VOC CONTENT

<table>
<thead>
<tr>
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</table>

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

CERTIFICATION AND COMPLIANCE NOTES: 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 COLORANTS (229)  
HPD URL: No HPD available

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

## Section 5: General Notes

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

**MANUFACTURER:** Benjamin Moore & Co.  
**ADDRESS:** 101 Paragon Drive  
101 Paragon Drive  
Montvale NJ 07645, United States  
**WEBSITE:** www.Benjaminmoore.com  
**CONTACT NAME:** Edja Kouassi  
**TITLE:** Technical Project Manager  
**PHONE:** 9732522607  
**EMAIL:** Edja.kouassi@benjaminmoore.com

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### 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)

#### 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

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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.