ULTRA SPEC HP D.T.M. ACRYLIC GLOSS ENAMEL SAFETY YELLOW (HP28)
by Benjamin Moore & Co.

CLASSIFICATION: 09 00 00.00 Finishes: Finishes

PRODUCT DESCRIPTION: This product is designed to perform a dual purpose as a direct to metal primer and finish. Both coats of the product provide rust inhibition for superior corrosion control. The acrylic formula provides excellent gloss and color retention. The film is fast drying permitting fast recoat. This product is also an excellent finish for masonry, plaster, wallboard and interior wood surfaces.

Section 1: Summary

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:
- Yes
- No

Characterized
- Yes
- No

Percent Weight and Role Provided?

Screened
- Yes
- No

Using Priority Hazard Lists with Results Disclosed?

Identified
- Yes
- No

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 HP D.T.M. ACRYLIC GLOSS ENAMEL SAFETY YELLOW (HP28) | WATER BM-4 | STYRENE, METHYL METHACRYLATE, METHACRYLIC ACID, 2-ETHYLHEXYL ACRYLATE POLYMER NoGS TITANIUM DIOXIDE LT-1 | CAN | END 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE LT-P1 | END ETHYLENE GLYCOL, MONO(2-ETHYLHEXYL) ETHER LT-UNK | SILICA, AMORPHOUS LT-P1 | CAN ALUMINA TRIHYDRATE BM-2 | RES PROPYLENE GLYCOL BM-2 | END (C10-C16) ALKYLALCOHOL SULFURIC ACID, SODIUM SALT LT-P1 | MUL OCTYLPHENOXY POLYETHOXYETHANOL LT-P1 | END | MUL POLYETHYLENE GLYCOL BENZYL (1,1,3,3-TETRAMETHYL)BUTYL)PHENYL ETHER LT-UNK

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 67.96
Regulatory (g/l): 147.82
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: CARB07 Compliance

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:
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 HP D.T.M. ACRYLIC GLOSS ENAMEL SAFETY YELLOW (HP28)

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

#### WATER

| %: | 40.0000 - 50.0000 |
| GS: | BM-4 |
| RC: | None |
| NANO: | No |
| ROLE: | Thinner/Solvent |

| HAZARDS: | AGENCY(I(E(S) WITH WARNINGS: |
| None Found | No warnings found on HPD Priority lists |

| SUBSTANCE NOTES: | None |

### STYRENE, METHYL METHACRYLATE, METHACRYLIC ACID, 2-ETHYLHEXYL ACRYLATE POLYMER

| %: | 25.0000 - 35.0000 |
| GS: | NoGS |
| RC: | None |
| NANO: | No |
| ROLE: | Binder |

| HAZARDS: | AGENCY(I(E(S) WITH WARNINGS: |
| None Found | No warnings found on HPD Priority lists |

| SUBSTANCE NOTES: | None |

### TITANIUM DIOXIDE

| %: | 10.0000 - 20.0000 |
| GS: | LT-1 |
| RC: | None |
| NANO: | No |
| ROLE: | Color Pigment |

| HAZARDS: | AGENCY(I(E(S) WITH WARNINGS: |
| CANCER | US CDC - Occupational Carcinogens |
| CANCER | CA EPA - Prop 65 |
| CANCER | IARC |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors |

| Occupational Carcinogen |
| Carcinogen - specific to chemical form or exposure route |
| Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources |
| Potential Endocrine Disruptor |
### 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE

**ID:** 6846-50-0

**%:** 1.0000 - 10.0000

**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**ROLE:** Additive

**HAZARDS:**

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

**SUBSTANCE NOTES:** None

### ETHYLENE GLYCOL, MONO(2-ETHYLHEXYL) ETHER

**ID:** 1559-35-9

**%:** 0.5000 - 5.0000

**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Additive

**HAZARDS:**

- **None Found**

**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

- **CANCER**
  - Australia - GHS
  - H350i - May cause cancer by inhalation

**SUBSTANCE NOTES:** None

### ALUMINA TRIHYDRATE

**ID:** 21645-51-2

**%:** Impurity/Residual

**GS:** BM-2  
**RC:** None  
**NANO:** No  
**ROLE:** Impurity/Residual

**HAZARDS:**

- **RESPIRATORY**
  - AOEC - Asthmagens
  - Asthmagen (Rs) - sensitizer-induced
### PROPYLENE GLYCOL

<table>
<thead>
<tr>
<th>%</th>
<th>Impurity/Residual</th>
<th>GS: BM-2</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Impurity/Residual</th>
</tr>
</thead>
</table>

**HAZARDS:**
- **AGENCY(IES) WITH WARNINGS:**
  - ENDOCRINE
    - TEDX - Potential Endocrine Disruptors
    - Potential Endocrine Disruptor

### (C10-C16) ALKYLALCOHOL SULFURIC ACID, SODIUM SALT

<table>
<thead>
<tr>
<th>%</th>
<th>0.1000 - 1.0000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Additive</th>
</tr>
</thead>
</table>

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

### OCTYLPHENOXY POLYETHOXYETHANOL

<table>
<thead>
<tr>
<th>%</th>
<th>0.0500 - 0.5000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Surfactant</th>
</tr>
</thead>
</table>

**HAZARDS:**
- **AGENCY(IES) WITH 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

### POLYETHYLENE GLYCOL BENZYL (1,1,3,3-TETRAMETHYLBUTYL)PHENYL ETHER

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

**HAZARDS:**
- **AGENCY(IES) WITH WARNINGS:**
  - 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

**CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario**

<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>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2016-03-03</td>
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<tr>
<td>EXPIRY DATE:</td>
<td>2019-03-03</td>
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<tr>
<td>CERTIFIER OR LAB:</td>
<td>Berkeley Analytical</td>
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</table>

**CERTIFICATION AND COMPLIANCE NOTES:** None

### VOC CONTENT

**CARB07 Compliance**

<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>
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</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2018-11-01</td>
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<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>Benjamin Moore</td>
</tr>
</tbody>
</table>

**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)**

<table>
<thead>
<tr>
<th>HPD URL:</th>
<th>No HPD available</th>
</tr>
</thead>
</table>

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Required 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
           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/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
- 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 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.