ULTRA SPEC HP D.T.M. ACRYLIC LOW LUSTRE ENAMEL SAFETY WHITE (HP25)
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

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

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

Percent Weight and Role Provided?

Screened
- Yes ☑ No

Using Priority Hazard Lists with Results Disclosed?

Identified
- 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 HP D.T.M. ACRYLIC LOW LUSTRE ENAMEL SAFETY WHITE (HP25) | WATER BM-4 | 2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH N-(BUTOXYMETHYL)-2-PROPENAMIDE, BUTYL 2-PROPENOATE, ETHENYLBENZENE AND 2-PROPENENITRILE | LT-UNK | CAN | END
| KAOLIN CLAY LT-UNK | CAN TRIZINC BIS(ORTHOPHOSPHATE) LT-P | [ ] | AQU | MUL ETHYLENE GLYCOL, MONO(2-ETHYLMETHYL) ETHER LT-UNK | SILICA, AMORPHOUS LT-P | [ ] | CAN ZINC HYDROXIDE (Zn(OH))2 LT-UNK | ALUMINA TRIHYDRATE BM-2 | RES PROPYLENE GLYCOL BM-2 | END OCTYLPHENOXY POLYETHOXYETHANOL LT-P | END | MUL WHITE MINERAL OIL LT-UNK | HYDROXYETHYL CELLULOSE LT-P | END |

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

None

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 70.84
Regulatory (g/l): 145.64

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 V1.1 (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 #: 
SCREENING DATE: 2018-11-01
PUBLISHED DATE: 2018-11-01
EXPIRY DATE: 2021-11-01
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

ULTRA SPEC HP D.T.M. ACRYLIC LOW LUSTRE ENAMEL SAFETY WHITE (HP25)

PRODUCT THRESHOLD: 100 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes
RESIDUALS AND IMPURITIES NOTES: Based on data provided by raw material suppliers
OTHER PRODUCT NOTES: None

WATER

<table>
<thead>
<tr>
<th>%: 35.0000 - 50.0000</th>
<th>GS: BM-4</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Thinner/Solvent</th>
</tr>
</thead>
</table>
HAZARDS: None Found
AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists
SUBSTANCE NOTES: None

2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH N-(BUTOXYMETHYL)-2-PROPENAMIDE, BUTYL 2-PROPENOATE, ETHENYLBENZENE AND 2-PROPENENITRILE

<table>
<thead>
<tr>
<th>%: 20.0000 - 30.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
</table>
HAZARDS: None Found
AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists
SUBSTANCE NOTES: None

TITANIUM DIOXIDE

<table>
<thead>
<tr>
<th>%: 10.0000 - 20.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Color Pigment</th>
</tr>
</thead>
</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
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>% Range</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>MAK Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>KAOLIN CLAY</td>
<td>1332-58-7</td>
<td>1.0000 - 10.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Extender Filler</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
<tr>
<td>TRIZINC BIS(ORTHOPHOSPHATE)</td>
<td>7779-90-0</td>
<td>0.5000 - 5.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Additive</td>
<td>ACUTE AQUATIC: EU - GHS (H-Statements) H400 - Very toxic to aquatic life</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL, MONO(2-ETHYLHEXYL) ETHER</td>
<td>1559-35-9</td>
<td>0.5000 - 5.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Additive</td>
<td>None Found</td>
</tr>
<tr>
<td>SILICA, AMORPHOUS</td>
<td>7631-86-9</td>
<td>Impurity/Residual</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
<td>CANCER: Japan - GHS Carcinogenicity - Category 1A</td>
</tr>
</tbody>
</table>
### Zinc Hydroxide (Zn(OH)2)

**ID:** 20427-58-1  
**%:** 0.1000 - 1.0000  
**Role:** Antioxidant

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

**Substance Notes:** None

### Alumina Trihydrate

**ID:** 21645-51-2  
**Role:** Impurity/Residual

**Hazards:**  
Respiratory  
AOEC - Asthmagens  
Asthmagens (Rs) - sensitizer-induced

**Substance Notes:** None

### Propylene Glycol

**ID:** 57-55-6  
**Role:** Impurity/Residual

**Hazards:**  
Endocrine  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor

**Substance Notes:** None

### Octylphenoxy Polyethoxyethanol

**ID:** 9036-19-5  
**Role:** Surfactant

**Hazards:**  
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

**Substance Notes:** None
### WHITE MINERAL OIL

<table>
<thead>
<tr>
<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: None Found

Agency(ies) with warnings: None

No warnings found on HPD Priority lists

Substance notes: None

### HYDROXYETHYL CELLULOSE

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

HAZARDS: TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

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>ISSUE DATE:</td>
<td>2016-04-14</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2019-04-14</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>Berkeley Analytical</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>HPD URL:</th>
<th>No HPD available</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</td>
<td>Required for all tinted products.</td>
</tr>
</tbody>
</table>

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)
- 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
- 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.