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

**PRODUCT DESCRIPTION:** This unique waterborne, acrylic primer minimizes flash rusting and protects steel from corrosion. Its low odor formula is ideal for use on interior and exterior ferrous and galvanized metal. This primer can be applied to slightly damp surfaces and adheres well to most hard to coat substrates. It can also be used to prime masonry substrates.

### 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:**
- Characterized: Yes

**Percent Weight and Role Provided?**
- Yes

**Screened Using Priority Hazard Lists with Results Disclosed?**
- Yes

**Identified Name and Identifier Provided?**
- Yes

### 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 SEMI-GLOSS ENAMEL (HP29)**
  - WATER
  - 2-PROPYENOIC ACID, 2-METHYL-3-PENTANEDIOL DIISOBUTYRATE
  - TITANIUM DIOXIDE
  - TRIZINC BIS(ORTHOPHOSPHATE)
  - ETHYLENE GLYCOL, MONO(2-ETHYLHEXYL) ETHER
  - POLYETHYLENE GLYCOL BENZYL (1,1,3,3-TETRAMETHYLBUTYL)PHENYL ETHER
  - POLYETHYLENE GLYCOL NONYLPHENYL ETHER
  - FERRIC OXIDE
  - BISMUTH OXIDE
  - DABCO AMINE CYLCIC AMINES, N-4780

- **ULTRA SPEC HP D.T.M. ACRYLIC SEMI-GLOSS ENAMEL (HP29)**
  - HYDROXYETHYL CELLULOSE
  - ETHYLENE GLYCOL
  - ALUMINA TRIHYDRATE
  - RESINES, AMORPHOUS
  - RESINES, POLYMER WITH FORMALDEHYDE, SODIUM SALTS
  - POLYETHYLENE GYCOL NONYLPHENYL ETHER
  - POLYETHYLENE GLYCOL NONYLPHENYL ETHER
  - POLYETHYLENE GLYCOL NONYLPHENYL ETHER
  - POLYETHYLENE GYCOL NONYLPHENYL ETHER
  - POLYETHYLENE GLYCOL NONYLPHENYL ETHER
  - POLYETHYLENE GLYCOL NONYLPHENYL ETHER
  - POLYETHYLENE GLYCOL NONYLPHENYL ETHER
  - POLYETHYLENE GLYCOL NONYLPHENYL ETHER
  - POLYETHYLENE GLYCOL NONYLPHENYL ETHER
  - POLYETHYLENE GLYCOL NONYLPHENYL ETHER
VOLATILE ORGANIC COMPOUND (VOC) CONTENT
Material (g/l): 71.37
Regulatory (g/l): 145.80
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.

<table>
<thead>
<tr>
<th>Third Party Verified?</th>
<th>PREPARER: Self-Prepared</th>
<th>SCREENING DATE: 2017-06-08</th>
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<tr>
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<td>No</td>
<td>VERIFICATION #:</td>
<td>EXPIRY DATE: 2020-06-08</td>
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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.hpdc-collaborative.org/hpd-2-1-standard](http://www.hpdc-collaborative.org/hpd-2-1-standard)

### ULTRA SPEC HP D.T.M. ACRYLIC SEMI-GLOSS ENAMEL (HP29)

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Based on information provided by raw material suppliers

**OTHER PRODUCT NOTES:** None

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<tr>
<th>WATER</th>
<th>ID: 7732-18-5</th>
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<tbody>
<tr>
<td>%: 45.0000 - 55.0000</td>
<td>GS: BM-4</td>
</tr>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
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<td>SUBSTANCE NOTES: None</td>
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</table>

<table>
<thead>
<tr>
<th>2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH BUTYL 2-PROPENOATE, ETHENYLBENZENE AND 2-PROPENENITRILE</th>
<th>ID: 29129-78-0</th>
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<tbody>
<tr>
<td>%: 25.0000 - 35.0000</td>
<td>GS: LT-UNK</td>
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<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
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<table>
<thead>
<tr>
<th>TITANIUM DIOXIDE</th>
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<tbody>
<tr>
<td>%: 10.0000 - 20.0000</td>
<td>GS: LT-1</td>
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<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
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<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
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<tr>
<td>CANCER</td>
<td>IARC</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
</tr>
<tr>
<td>Substance</td>
<td>ID</td>
</tr>
<tr>
<td>--------------------</td>
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<tr>
<td>KAOLIN CLAY</td>
<td>1332-58-7</td>
</tr>
<tr>
<td>2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE</td>
<td>6846-50-0</td>
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<tr>
<td>NEPHELINE SYENITE</td>
<td>37244-96-5</td>
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<tr>
<td>TRIZINC BIS(ORTHOPHOSPHATE)</td>
<td>7779-90-0</td>
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<tr>
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</tr>
<tr>
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</tr>
</tbody>
</table>
# 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  
No warnings found on HPD Priority lists  

**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 (ARs) - sensitizer-induced - inhalable forms only  

**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  

**SUBSTANCE NOTES:** None

---

# Residues (Petroleum), Catalytic Reformer Fractionator, Sulfonated, Polymers with Formaldehyde, Sodium Salts

**ID:** 68425-94-5  
**%:** Impurity/Residual  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Impurity/Residual  

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

**SUBSTANCE NOTES:** None

---

# Polyethylene Glycol Nonylphenyl Ether

**ID:** 9016-45-9  
**%:** 0.1000 - 1.0000  
**GS:** BM-1tp  
**RC:** None  
**NANO:** No  
**ROLE:** Additive

---
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<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
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<tbody>
<tr>
<td>2,2'-ETHYLENEDIOXYDIETHYL BIS(2-ETHYLHEXANOATE)</td>
<td>94-28-0</td>
<td>0.1000 - 1.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Coalescing agent</td>
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<tr>
<td>PROPYLENE GLYCOL</td>
<td>57-55-6</td>
<td>Impurity/Residual</td>
<td>BM-2</td>
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<td>No</td>
<td>Impurity/Residual</td>
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<tr>
<td>ZINC HYDROXIDE (ZN(OH)2)</td>
<td>20427-58-1</td>
<td>Impurity/Residual</td>
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**HAZARDS:**

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<tr>
<th>Agency(Ies) with warnings</th>
<th>Endocrine Disrupters</th>
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<tr>
<td>EU</td>
<td>Category 1 - In vivo evidence of Endocrine Disruption Activity</td>
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<tr>
<td>OSPAR</td>
<td>PBT - Chemical for Priority Action</td>
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**MULTIPLE**

<table>
<thead>
<tr>
<th>Agency(Ies) with warnings</th>
<th>Substances Hazardous to Waters</th>
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<tbody>
<tr>
<td>German FEA</td>
<td>Class 3 - Severe Hazard to Waters</td>
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</table>

**ENDOCRINE**

<table>
<thead>
<tr>
<th>Agency(Ies) with warnings</th>
<th>Priority PBTs &amp; EDs &amp; equivalent concern</th>
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<tbody>
<tr>
<td>EU</td>
<td>Priority Endocrine Disrupters</td>
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<td>OSPAR</td>
<td>Priority PBTs &amp; EDs &amp; equivalent concern</td>
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**RESTRICTED LIST**

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<th>Agency(Ies) with warnings</th>
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**SUBSTANCE NOTES:**

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<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARDS</th>
<th>SUBSTANCE NOTES</th>
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<td>POLOXANLENE</td>
<td>9003-11-6</td>
<td>0.1000 - 1.0000</td>
<td>LT-UNK</td>
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<td>POLYETHYLENE GLYCOL</td>
<td>25322-68-3</td>
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<td>OCTYLPHENOXY POLYETHOXYETHANOL</td>
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<td>Surfactant</td>
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<td>CANCER EU - SVHC Authorisation List Carcinogenic - Prioritized for listing</td>
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<td>MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters</td>
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<tr>
<td>WHITE MINERAL OIL</td>
<td>8042-47-5</td>
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</table>
### Wollastonite

**ID:** 13983-17-0  
**%:** 0.0500 - 0.5000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Extender filler  

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

**SUBSTANCE NOTES:** None

### Hydroxyethyl Cellulose

**ID:** 9004-62-0  
**%:** 0.0500 - 0.5000  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**ROLE:** Extender filler  

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

**SUBSTANCE NOTES:** None

### Ethylene Glycol

**ID:** 107-21-1  
**%:** Impurity/Residual  
**GS:** BM-1  
**RC:** None  
**NANO:** No  
**ROLE:** Impurity/Residual  

**HAZARDS:**  
**MAMMALIAN**  
EU - R-phrases  
R22 - Harmful if Swallowed  
**DEVELOPMENTAL**  
CA EPA - Prop 65  
Developmental toxicity  
**DEVELOPMENTAL**  
US NIH - Reproductive & Developmental Monographs  
Clear Evidence of Adverse Effects - Developmental Toxicity  
**ENDOCRINE**  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor  

**SUBSTANCE NOTES:** None

### Polyethylene Glycol Benzylic (1,1,3,3-Tetramethylbutyl)Phenyl Ether

**ID:** 60864-33-7  
**%:** Impurity/Residual  
**GS:** UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Impurity/Residual  

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

**SUBSTANCE NOTES:** None
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<th>Substance</th>
<th>ID</th>
<th>% Range</th>
<th>GS</th>
<th>RC</th>
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<th>Role</th>
<th>Hazards</th>
<th>AGENCY(IES) WITH WARNINGS</th>
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<tr>
<td>Poly(oxy-1,2-ethanediyl), Alpha-tridecyl-omega-hydroxy-, phosphate, potassium salt</td>
<td>68186-36-7</td>
<td>0.0100 - 0.2500</td>
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<td>No</td>
<td>Surfactant</td>
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<td>No warnings found on HPD Priority lists</td>
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<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>34590-94-8</td>
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<td>Additive</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
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<tr>
<td>Ferric oxide yellow</td>
<td>51274-00-1</td>
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<td>Pigment yellow 74</td>
<td>6358-31-2</td>
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<td>Carbon black</td>
<td>1333-86-4</td>
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<td>US CDC - Occupational Carcinogens</td>
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<td>Substance</td>
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<td>RC</td>
<td>Nano</td>
<td>Role</td>
<td>HAZARDS</td>
<td>Agency(Ies) With Warnings</td>
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<td>PYRROLO[3,4-C]PYRROLE-1,4-DIONE,3,6-BIS(4-CHLOROPHENYL)-2,5-DIHYDRO-</td>
<td>84632-65-5</td>
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<td>IRON OXIDE</td>
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<td>No</td>
<td>Color Pigment</td>
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<td>No warnings found on HPD Priority lists</td>
</tr>
</tbody>
</table>
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**

- **CERTIFYING PARTY:** Third Party
- **APPLICABLE FACILITIES:** All
- **CERTIFICATE URL:**
- **ISSUE DATE:** 2016-04-15
- **EXPIRY DATE:** 2019-04-15
- **CERTIFIER OR LAB:** Berkeley Analytical

**CERTIFICATION AND COMPLIANCE NOTES:** None

### VOC CONTENT

**CARB07 Compliance**

- **CERTIFYING PARTY:** Self-declared
- **APPLICABLE FACILITIES:** All
- **CERTIFICATE URL:**
- **ISSUE DATE:** 2018-11-02
- **EXPIRY DATE:**
- **CERTIFIER OR LAB:** Benjamin Moore

**CERTIFICATION AND COMPLIANCE NOTES:**

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:**

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

<table>
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<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
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<td>Aquatic toxicity</td>
</tr>
<tr>
<td>CAN</td>
<td>Cancer</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
</tr>
<tr>
<td>GLO</td>
<td>Global warming</td>
</tr>
<tr>
<td>MAM</td>
<td>Mammalian/systemic/toxicity</td>
</tr>
<tr>
<td>MUL</td>
<td>Multiple hazards</td>
</tr>
<tr>
<td>NEU</td>
<td>Neurotoxicity</td>
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<tr>
<td>OZO</td>
<td>Ozone depletion</td>
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<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
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<tr>
<td>PHY</td>
<td>Physical Hazard (reactive)</td>
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<tr>
<td>REP</td>
<td>Reproductive toxicity</td>
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<td>Respiratory sensitization</td>
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<tr>
<td>SKI</td>
<td>Skin sensitization/irritation/corrosivity</td>
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<tr>
<td>LAN</td>
<td>Land Toxicity</td>
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<tr>
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</table>

### 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

- 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.