CLASSIFICATION: 12 26 00 Furnishings: Interior Daylighting Devices

PRODUCT DESCRIPTION: The SolaMaster Series is a versatile line of tubular daylighting devices that captures natural light at the rooftop and transfers it into building interiors where daylighting has rarely been possible. The SolaMaster 750 DS is designed to deliver consistent light output throughout the day. It effectively captures low-angle rays in the morning and late afternoon, but rejects high-angle rays at midday to prevent glare, overlighting and overheating. Perfect for large spaces with dropped ceilings where a consistent level of light is required during typical work hours. This HPD covers the basic configuration of the SolaMaster 750 DS Closed Ceiling Daylighting System; additional options are listed in Section 4: Accessories.

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

Explanation(s) provided for Residuals/Impurities?
- Yes
- No

All Substances Above the Threshold Indicated Are:

Characterized
- Yes Ex/SC
- Yes
- No

% weight and role provided for all substances.

Screened
- Yes Ex/SC
- Yes
- No

One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.

Identified
- Yes Ex/SC
- Yes
- No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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
---|---|---|---|---
SOLAMASTER 750 DS CLOSED CEILING DAYLIGHTING SYSTEM | 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE | LT-UNK | STEEL | NoGS
| POLYISOCYANurate FOAM | LT-UNK | LIMESTONE, CALCIUM CARBONATE | LT-UNK | POLYVINYL CHLORIDE (PVC) | LT-P1 | RES | PHY | KRAFT PAPER
| Pasty | NoGS | POLYPROPYLENE | LT-UNK | ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) | LT-UNK | POLYBUTENE | END | POLYETHYLENE | LT-UNK
| METHYL METHACRYLATE | LT-P1 | RES | PHY | SKI | END | STYRENE, METHYL METHACRYLATE, BUTADIENE POLYMER | LT-UNK | PHENOL, 2-(5-CHLORO-2H-BENZOTRIAZOL-2-YL)-4,6-BIS(1,1-DIMETHYLETHYL)- | LT-1 | PBT | MUL | PENTANE | LT-P1 | AQU | PHY | MAM | MUL |

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: CDPH Standard Method – Not tested

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.
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

SOLAMASTER 750 DS CLOSED CEILING DAYLIGHTING SYSTEM

PRODUCT THRESHOLD: 1000 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were “Considered”, as outlined in Emerging Best Practices. Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER PRODUCT NOTES: Substances listed are representative of the basic configuration of the SolaMaster 750 DS Closed Ceiling Daylighting System. Optional components are listed in Section 4: Accessories.

2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE

ID: 9010-88-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-01-09
%
39.6000 - 45.6000
GS: LT-UNK
RC: None
NANO: No
ROLE: Outer Dome; Diffuser Lens; Transition Box

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Acrylic plastic. Other CASRN may include: 9008-29-1 [NoGS | NO].

STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-01-09
%
22.7000 - 33.6000
GS: NoGS
RC: PostC
NANO: No
ROLE: Flashing; Hardware

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Includes average 17% Post-Consumer recycled content. This substance is considered essentially inert for the purposes of Pharos toxics scoring (Pharos CML). Supplier SDS provides the following composition: >95% Iron [7439-89-6; LT-P1]; <2% Manganese [7439-96-5; LT-P1]; <1% Silicon [7440-21-3; LT-UNK]; <0.3% Aluminum [7429-90-5; LT-P1]; <0.3% Carbon [7440-44-0; LT-UNK]; <0.3% Molybdenum [7439-98-7; LT-UNK]; <0.25% Copper [7440-50-8; LT-UNK]; <0.15% Nickel [7440-02-0; LT-1]; <0.15% Chromium [7440-47-3; LT-P1]; <0.15% Phosphorus [7723-14-0; BM-2].

ALUMINUM

ID: 7429-90-5

SolaMaster 750 DS Closed Ceiling Daylighting System
hpdrepository.hpd-collaborative.org

HPD v2.1.1 created via HPDC Builder Page 3 of 11
### Polyisocyanurate Foam

**ID:** 9063-78-9

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharo Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-01-09</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 1.6000 - 3.4000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>ROLE: Flashing Insulator; Curb Insulator</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Includes average 50% Post-Consumer recycled content. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with form-specific hazards such as Aluminum. Supplier SDS provide the following composition: <5% Copper [7440-50-8; LT-UNK]; <2% Nickel [7440-02-0; LT-1]; <1% Chromium Compounds, <0.5% Chromium [7440-47-3; LT-P1]; <1% Antimony [7440-36-0; LT-1]; <1% Iron [7439-89-6; LT-P1]; <1% Molybdenum [7439-98-7; LT-UNK]; <0.5% Zinc [7440-66-6; LT-P1].

### Limestone, Calcium Carbonate

**ID:** 1317-65-3

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharo Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-01-09</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.9000 - 2.6000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>ROLE: Tube Ring; Tube Ring Seal; Dome Ring Seal</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Inert filler. Identified on the US EPA Safer Chemical Ingredient List.

### Polyvinyl Chloride (PVC)

**ID:** 9002-86-2

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharo Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-01-09</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.7000 - 2.7000</td>
<td>GS: LT-P1</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>ROLE: Tube Ring</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Includes average 50% Post-Consumer recycled content. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with form-specific hazards such as Aluminum. Supplier SDS provide the following composition: <5% Copper [7440-50-8; LT-UNK]; <2% Nickel [7440-02-0; LT-1]; <1% Chromium Compounds, <0.5% Chromium [7440-47-3; LT-P1]; <1% Antimony [7440-36-0; LT-1]; <1% Iron [7439-89-6; LT-P1]; <1% Molybdenum [7439-98-7; LT-UNK]; <0.5% Zinc [7440-66-6; LT-P1].
SUBSTANCE NOTES: Supplier SDS confirms vinyl chloride monomer <0.001%. Other substances may be present in addition to PVC, including impact modifiers, process aids, stabilizers, etc. This HPD will be updated as more information becomes available.
## SPECTRALIGHT INFINITY FILM

**ID:** Unknown  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-09  
**%:** 0.1000 - 0.3000  
**GS:** Not Screened  
**RC:** UNK  
**NANO:** Unknown  
**ROLE:** Spectralight Infinity Film

### HAZARD TYPE

**WARNINGS**

Hazard Screening not performed

### SUBSTANCE NOTES:

Efforts to receive confirmation of the identity of unknown substances are ongoing; this HPD will be updated when more information becomes available.

## POLYETHYLENE

**ID:** 9002-88-4  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-09  
**%:** 0.0800 - 0.1000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Reflective Tubing

### HAZARD TYPE

**WARNINGS**

No hazards found

### SUBSTANCE NOTES:

## METHYL METHACRYLATE

**ID:** 80-62-6  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-09  
**%:** Impurity/Residual  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**ROLE:** Impurity/Residual

### HAZARD TYPE

**WARNINGS**

RESPIRATORY  
AOEC - Asthmagens  
Asthmagen (Rs) - sensitizer-induced

PHYSICAL HAZARD (REACTIVE)  
EU - GHS (H-Statements)  
H225 - Highly flammable liquid and vapour

SKIN IRRITATION  
EU - GHS (H-Statements)  
H315 - Causes skin irritation

SKIN SENSITIZE  
EU - GHS (H-Statements)  
H317 - May cause an allergic skin reaction

ENDOCRINE  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor

SKIN SENSITIZE  
MAK  
Sensitizing Substance Sh - Danger of skin sensitization

### SUBSTANCE NOTES:

Potential impurity of 9010-88-2 (Monomer; Integral).

## STYRENE, METHYL METHACRYLATE, BUTADIENE POLYMER

**ID:** 25053-09-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-09  
**HAZARD TYPE**

**WARNINGS**

No hazards found
### PHENOL, 2-(5-CHLORO-2H-BENZOTRIAZOL-2-YL)-4,6-BIS(1,1-DIMETHYLETHYL)-

**ID:** 3864-99-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2019-01-09

<table>
<thead>
<tr>
<th>Percentage</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 0.8000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Outer Dome; Diffuser Lens; Transition Box</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

- **Agency and List Titles:**
  - EU - SVHC Authorisation List
  - ChemSec - SIN List
  - German FEA - Substances Hazardous to Waters

**WARNINGS**

- **PBT**
  - EU - SVHC Authorisation List
  - PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)

- **MULTIPLE**
  - German FEA - Substances Hazardous to Waters
  - Class 2 - Hazard to Waters

**SUBSTANCE NOTES:** Impact modifier used in acrylic sheet from alternate supplier.

### PENTANE

**ID:** 109-66-0

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2019-01-09

<table>
<thead>
<tr>
<th>Percentage</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 0.2000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Flashing Insulator; Curb Insulator</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

- **Agency and List Titles:**
  - EU - GHS (H-Statements)

**WARNINGS**

- **CHRON AQUATIC**
  - EU - GHS (H-Statements)
  - H411 - Toxic to aquatic life with long lasting effects

- **PHYSICAL HAZARD (REACTIVE)**
  - EU - GHS (H-Statements)
  - H225 - Highly flammable liquid and vapour

- **MAMMALIAN**
  - EU - GHS (H-Statements)
  - H304 - May be fatal if swallowed and enters airways

- **MULTIPLE**
  - German FEA - Substances Hazardous to Waters
  - Class 2 - Hazard to Waters

**SUBSTANCE NOTES:** Used as blowing agent for polyisocyanurate foam insulation.
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>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDPH Standard Method – Not tested</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-01-10</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>N/A</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.

#### POLYURETHANE OR COPOLYMER BASED ELASTOMERIC SEALANT

HPD URL: No HPD available

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

Sealant used for installation of Flashing. Please contact manufacturer if more information is required.

#### DOME SECURITY KIT

HPD URL: No HPD available

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

Optional Dome Security Kit available for 750 DS Dome Assembly. The kit consists of six rivets with protective nylon spacers, which replace dome screws. The dome security kit reduces the possibility of the dome being removed. Please contact manufacturer if more information is required.

#### DOME EDGE PROTECTION BAND

HPD URL: No HPD available

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

Optional Dome Edge Protection Band available for use on Class A, B or C roofs to maintain fire rating. Constructed of galvanized steel. Please contact manufacturer if more information is required.

#### ROOF FLASHING TURRET EXTENSIONS

HPD URL: No HPD available

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

Optional Roof Flashing Turret Extensions are available in 12", 24", 36" and 48" lengths. Used to raise the height of the SolaMaster 750 DS Dome on a roof to avoid snow, water or shading. Constructed of galvanized steel. Please contact manufacturer if more information is required.

#### SPECTRALIGHT® INFINITY EXTENSION TUBES

HPD URL: No HPD available

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

SolaMaster 750 DS Closed Ceiling Daylighting System hpdrepository.hpd-collaborative.org

HPD v2.1.1 created via HPDC Builder Page 8 of 11
Optional Extension Tubes can be added in increments of 24" or 48" for long runs (up to 50 feet) without sacrificing performance. Constructed of Aluminum coated with Solatube's proprietary Spectralight Infinity coating, which has the highest reflectivity in the world for the brightest, purest light. Please contact manufacturer if more information is required.

THERMAL INSULATION PANEL

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
Optional Thermal Insulation Panel provides unmatched thermal performance. Two climate control discs paired with polycarbonate ring prevent conductive and convective heat transfer. Spectralight® Infinity material inside ring maximizes light transfer. Please contact manufacturer if more information is required.

DAYLIGHT DIMMER

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
Optional Daylight Dimmer uses a patented butterfly baffle and a convenient wall-mounted switch to allow for simple and easy adjustments to room daylight illumination levels. Constructed primarily of ABS Acrylic and Aluminum. Please contact manufacturer if more information is required.

DAYLIGHT DIMMER SWITCH KIT

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
Optional Daylight Dimmer Switch Kit includes a Double-Pole Double-Throw (DPDT) switch, wall plate and 15 feet of cable. One switch can control multiple Daylight Dimmers simultaneously. The optional Daylight Dimmer allows for simple and easy adjustments to room daylight levels. Please contact manufacturer if more information is required.

METAL ROOF INSTALLATION KIT

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
Used for installation of Metal Roof Flashing. Please contact manufacturer if more information required.

WIRE SUSPENSION KIT

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
Optional Wire Suspension Kit for use when additional bracing to the structure is required. Constructed of galvanized steel. Please contact manufacturer if more information is required.

SECONDARY DIFFUSER

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
Optional Secondary Diffuser is used to eliminate unwanted glare or to reduce light output. Constructed of acrylic. Please contact manufacturer for more information if required.

SECURITY BAR

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
Optional Security Bar inserts into the flashing turret across the diameter of the opening. The stainless steel bar is fastened using rivets and prohibits entry through the dome. Please contact manufacturer for more information if required.
Solatube products are engineered to reduce environmental impacts while providing energy-efficient lighting that nurtures building occupants. By utilizing sustainable natural daylight, our systems eliminate the need for electric lights during the day, as well as the utility needed to generate that power. This minimizes a building's carbon footprint by reducing environmental CO2 emissions. From a financial perspective, Solatube Daylighting Systems make sense because they are cost-effective and reduce maintenance costs associated with electric lighting. In fact, they often have lower installation costs than other fenestration products. The end result is high-performance, eco-friendly commercial lighting at a price that fits your budget.
### MANUFACTURER INFORMATION

**MANUFACTURER:** Solatube International  
**ADDRESS:** 2210 Oak Ridge Way  
Vista CA 92081, USA  
**WEBSITE:** www.solatube.com  
**CONTACT NAME:** Jennifer Delaney  
**TITLE:** Executive Assistant  
**PHONE:** 760-477-2763  
**EMAIL:** jdelaney@thepario.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>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU</td>
<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/organ toxicity</td>
</tr>
<tr>
<td>MUL</td>
<td>Multiple hazards</td>
</tr>
<tr>
<td>NEU</td>
<td>Neurotoxicity</td>
</tr>
<tr>
<td>OZO</td>
<td>Ozone depletion</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PHY</td>
<td>Physical Hazard (reactive)</td>
</tr>
<tr>
<td>REP</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>RES</td>
<td>Respiratory sensitization</td>
</tr>
<tr>
<td>SKI</td>
<td>Skin sensitization/irritation/corrosivity</td>
</tr>
<tr>
<td>LAN</td>
<td>Land Toxicity</td>
</tr>
<tr>
<td>NF</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</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)  
- **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

- 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

---

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.