Veneered Systems (Flat Veneer Panels, Beams, Curvalon, Aluratone, Curvatone) by Rulon International

Health Product Declaration v2.1
created via: HPDC Online Builder

CLASSIFICATION: 09550 (Ceilings); 09700 (Wall Finishes)

PRODUCT DESCRIPTION: Rulon International Veneered Systems include product lines manufactured from a combination of substrates and veneer including Accent Beams, Aluratone, Curvalon, Curvatone, Flat Veneer Panels, and Squares. These systems are composed of various species of veneer adhered to a substrate core, assembled into configurations, and then suspended from walls or ceilings via industry standard attachment methods.

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

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.

INVENTORY AND SCREENING NOTES:
The third-party preparer obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, some substance names and CAS numbers have been redacted from this substance entry and the hazards identified via the Pharos List Translator Tool have been entered manually. Some proprietary chemicals could not be obtained; therefore, no chemical name or CAS number are presented and the third-party preparer provided further detailed notes regarding these instances.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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

CERTIFICATIONS AND COMPLIANCE

Pre-checked for LEED v4 Material Ingredients, Option 1

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for CHPS - Residential scenario

PREPARATOR: Self-Prepared
VERIFIER: SCS Global Services
VERIFICATION #: qGE-4493
SCREENING DATE: 2018-06-06
PUBLISHED DATE: 2018-07-13
EXPIRY DATE: 2021-06-06
**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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### VENEERED SYSTEMS (FLAT VENEER PANELS, BEAMS, CURVALON, ALURATONE, CURVATONE)

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD: 1000 ppm</th>
<th>RESIDUALS AND IMPURITIES CONSIDERED: Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
<td>Rulon International worked with a Third Party HPD Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold.</td>
</tr>
</tbody>
</table>

### CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE)

<table>
<thead>
<tr>
<th>%: 68.0800 - 89.8400</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### BORIC ACID (BORIC ACID)

<table>
<thead>
<tr>
<th>%: 4.6200 - 13.9900</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>EU - Priority Endocrine Disruptors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Category 1 - In vivo evidence of Endocrine Disruption Activity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - SVHC Authorisation List</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxic to reproduction - Prioritized for listing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - GHS (H-Statements)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H360FD - May damage fertility. May damage the unborn child</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>ChemSec - SIN List</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potential Endocrine Disruptor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEVELOPMENTAL</td>
<td>MAK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pregnancy Risk Group B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>Japan - GHS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxic to reproduction - Category 1B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - Annex VI CMRs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive Toxicity - Category 1B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Reproductive Australia - GHS
H360Fd - May damage fertility. Suspected of damaging the unborn child.

### Substance Notes:

<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>MELAMINE-UREA-FORMALDEHYDE (MUF)</td>
<td>25036-13-9</td>
<td>4.6200 - 11.1900</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Structure</td>
</tr>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>1.7500 - 2.8800</td>
<td>BM-4</td>
<td>None</td>
<td>No</td>
<td>Solvent</td>
</tr>
<tr>
<td>Undisclosed Chemical #1</td>
<td>Undisclosed</td>
<td>0.9400 - 1.7500</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Adhesive</td>
</tr>
<tr>
<td>Undisclosed Chemical #2</td>
<td>Undisclosed</td>
<td>0.7400 - 1.1200</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Structure</td>
</tr>
</tbody>
</table>
### UNDISCLOSED CHEMICAL #3

<table>
<thead>
<tr>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undisclosed</td>
<td>0.3700 - 0.4600</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Structure</td>
</tr>
</tbody>
</table>

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Full disclosure for this proprietary chemical, identified as "polyester fibers", could not be obtained. Therefore, no chemical name or CAS number are presented for this chemical and the third-party preparer evaluated the hazards of the trade name ingredient that contains this proprietary chemical. As no GHS classifications are presented for the trade name ingredient on the supplier’s safety data sheet, no hazards were identified for this proprietary chemical.

### UNDISCLOSED CHEMICAL #4

<table>
<thead>
<tr>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undisclosed</td>
<td>0.2500 - 0.3500</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Topcoat</td>
</tr>
</tbody>
</table>

**HAZARDS:**

<table>
<thead>
<tr>
<th>HAZARD</th>
<th>AGENCY(IES) WITH WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td></td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td></td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td></td>
<td>H319 - Causes serious eye irritation</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Full disclosure for this proprietary chemical, identified as "polyurethane resin", could not be obtained. Therefore, no chemical name or CAS number are presented for this chemical and the third-party preparer evaluated the hazards of the trade name ingredient that contains this proprietary chemical. As the supplier’s SDS indicates the trade name ingredient is classified as a Category 2 skin irritant (H315), a Category 2 eye irritant (H319), and as a Category 1 skin sensitizer (H317) under GHS, the third-party preparer assigned these classifications under the EU designation to the proprietary chemical.

### UNDISCLOSED CHEMICAL #5

<table>
<thead>
<tr>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undisclosed</td>
<td>0.1000 - 0.1400</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Topcoat</td>
</tr>
</tbody>
</table>

**HAZARDS:**

<table>
<thead>
<tr>
<th>HAZARD</th>
<th>AGENCY(IES) WITH WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td></td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td></td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td></td>
<td>H319 - Causes serious eye irritation</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Full disclosure for this proprietary chemical, identified as "acrylic resin", could not be obtained. Therefore, no chemical name or CAS number are presented for this chemical and the third-party preparer evaluated the hazards of the trade name ingredient that contains this proprietary chemical. As the supplier’s SDS indicates the trade name ingredient is classified as a Category 2 skin irritant (H315), a Category 2 eye irritant (H319), and as a Category 1 skin sensitizer (H317) under GHS, the third-party preparer assigned these classifications under the EU designation to the proprietary chemical.

### AMMONIUM CHLORIDE (AMMONIUM CHLORIDE)

<table>
<thead>
<tr>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12125-02-9</td>
<td>0.0900 - 0.1900</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Structure</td>
</tr>
</tbody>
</table>

**HAZARDS:**

**Veneered Systems (Flat Veneer Panels, Beams, Curvalon, Aluratone, Curvatone)**

hdprepository.hpd-collaborative.org
### EYE IRRITATION
- **EU - GHS (H-Statements)**
  - H319 - Causes serious eye irritation

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

### UNDISCLOSED CHEMICAL #6
- **ID:** Undisclosed
- **%:** 0.0000 - 0.3900
- **GS:** NoGS
- **RC:** None
- **NANO:** No
- **ROLE:** Structure

**SUBSTANCE NOTES:** Full disclosure for this proprietary chemical, identified as "acrylic-vinylacetat copolymer", could not be obtained. Therefore, no chemical name or CAS number are presented for this chemical and the third-party preparer evaluated the hazards of the trade name ingredient that contains this proprietary chemical. As no GHS classifications are presented for the trade name ingredient on the supplier's safety data sheet, no hazards were identified for this proprietary chemical.

### UREA FORMALDEHYDE (UREA FORMALDEHYDE)
- **ID:** 9011-05-6
- **%:** 0.0000 - 11.1900
- **GS:** LT-P1
- **RC:** None
- **NANO:** No
- **ROLE:** Structure

**HAZARDS:**
- **RESPIRATORY**
  - **AOEC - Asthmagens**
  - Asthmagen (Rs) - sensitizer-induced

### UREA (UREA)
- **ID:** 57-13-6
- **%:** 0.0000 - 2.8000
- **GS:** LT-UNK
- **RC:** None
- **NANO:** No
- **ROLE:** Structure

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

### SLACK WAX (PETROLEUM) (SLACK WAX (PETROLEUM))
- **ID:** 64742-61-6
- **%:** 0.0000 - 0.9300
- **GS:** LT-1
- **RC:** None
- **NANO:** No
- **ROLE:** Structure

**HAZARDS:**
- **CANCER**
  - **EU - GHS (H-Statements)**
  - H350 - May cause cancer

**CANCER**
- **EU - REACH Annex XVII CMRs**
  - Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

**MULTIPLE**
- **ChemSec - SIN List**
  - CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
<table>
<thead>
<tr>
<th>Category</th>
<th>Source</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - Annex VI CMRs</td>
<td>Carcinogen Category 1B - Presumed Carcinogen based on animal evidence</td>
</tr>
<tr>
<td>CANCER</td>
<td>Australia - GHS</td>
<td>H350 - May cause cancer</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES:
Veneered Systems (Flat Veneer Panels, Beams, Curvalon, Aluratone, Curvatone)
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>APPLICABLE FACILITIES:</td>
<td>CDPH Standard Method – Not tested</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2018-07-06</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.

No accessories are required for this product.

Section 5: General Notes

Rulon International worked with a HPD Third Party Preparer to obtain all required chemical formulation information to the disclosure level of 1,000 ppm (0.1%). Rulon International also worked with a Third Party HPD Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD.
MANUFACTURER INFORMATION

MANUFACTURER: Rulon International
ADDRESS: 2000 Ring Way
St. Augustine FL 32092, USA
WEBSITE: www.rulonco.com

CONTACT NAME: Aaron Journot
TITLE: Business Development Manager
PHONE: 571-465-7555
EMAIL: ajournot@rulonco.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
PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKL 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
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.