

CLASSIFICATION: 06 12 00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: This HPD covers UVEN-RW panels made by Corruven Inc. The UVEN-R series is the creation of a new class of high-performance sustainable composite materials. Corruven created a material that stabilizes the wood without using any adhesive. With a mechanical bond, Corruven was able to give structure, resistance and acoustic properties to these new panels. UVEN-R panels comply to ASTM C 423 and ASTM E 795 standards.

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 2 of 4 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

- Characterized**
Percent Weight and Role Provided? Yes No
- Screened**
Using Priority Hazard Lists with Results Disclosed? Yes No
- Identified**
Name and Identifier Provided? 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

ALUMINUM SHEET [ALUMINUM (ALUMINUM) **LT-P1** | RES | END | PHY
MAGNESIUM (MAGNESIUM) **LT-UNK** | PHY IRON (IRON) **LT-P1** | END
CHROMIUM (CHROMIUM) **LT-P1** | RES | END | SKI SILICON (SILICON) **LT-UNK**
MANGANESE (MANGANESE) **LT-P1** | END | MUL | REP COPPER (COPPER) **LT-UNK**]
BOTTOM MATERIAL #1 [WOOD (WOOD) **NoGS**]
PAPERBACKED VENEER [WOOD (WOOD) **NoGS** POLYVINYL ACETATE (PVA) (POLYVINYL ACETATE (PVA)) **LT-UNK** CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE) **NoGS** POLYESTER (POLYESTER) **NoGS** 2-PROPENOIC ACID, METHYL ESTER, HOMOPOLYMER (2-PROPENOIC ACID, METHYL ESTER, HOMOPOLYMER) **LT-UNK** ACRYLIC ACID (ACRYLIC ACID) **LT-P1** | AQU | SKI | MUL]
VENEER [WOOD (WOOD) **NoGS**]

Number of Greenscreen BM-4/BM3 contents..... 0
Contents highest concern GreenScreen
Benchmark or List translator Score..... LT-P1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This HPD covers the whole range of variations available for UVEN-RW manufactured by Corruven Inc., which introduces ranges in composition. Special Conditions materials are present in the product: biological material, reaction products, metals, defined substances without identifier, plastics and polymers. Guidelines for reporting Special Conditions materials are still under development by HPDC and the manufacturer will update the HPD accordingly once these guidelines get published.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: CDPH Standard Method V1.1 - Not Tested
VOC emissions: Inherently nonemitting source of VOC as per LEED

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-02-20
PUBLISHED DATE: 2018-02-20
EXPIRY DATE: 2021-02-20

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

ALUMINUM SHEET

#: 58.9000 - 66.7000

HPD URL: N/A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information about residuals and impurities not given by supplier.

OTHER MATERIAL NOTES: Aluminum alloy 5052. The processed aluminum sheet grips to top and bottom layers avoiding the use of adhesives. Aluminum sheets may come from different suppliers and therefore may contain a variable amount of recycled content.

ALUMINUM (ALUMINUM)

ID: 7429-90-5

#: 96.9000 GS: LT-P1 RC: None NANO: No ROLE: Main element

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: See Other Material Notes.

MAGNESIUM (MAGNESIUM)

ID: 7439-95-4

#: 2.4600 GS: LT-UNK RC: None NANO: No ROLE: Alloying element

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: See Other Material Notes.

IRON (IRON)

ID: 7439-89-6

#: 0.2730 GS: LT-P1 RC: None NANO: No ROLE: Alloying element

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

SUBSTANCE NOTES: See Other Material Notes.

CHROMIUM (CHROMIUM)

ID: 7440-47-3

#: **0.1850** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagens (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: See Other Material Notes.

SILICON (SILICON)

ID: 7440-21-3

#: **0.1030** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: See Other Material Notes.

MANGANESE (MANGANESE)

ID: 7439-96-5

#: **0.0590** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: See Other Material Notes.

COPPER (COPPER)

ID: 7440-50-8

#: **0.0100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

BOTTOM MATERIAL #1

%: 14.7000 - 16.7000

HPD URL: N/A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Wood is a natural material and does not contain impurities nor residuals.

OTHER MATERIAL NOTES: Bottom veneer is available in matching wood species, as described in "Paperbacked veneer" and "Veneer" material notes.

WOOD (WOOD)

ID: **Not registered**

%: 100.0000 GS: **NoGS** RC: **None** NANO: **No** ROLE: **Main material**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

PAPERBACKED VENEER

%: 0.0000 - 26.4000

HPD URL: N/A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information about residuals and impurities not given by supplier.

OTHER MATERIAL NOTES: Alternative to Veneer. Represents 26.4% of final product weight when used. Paper-backed veneer is a wood veneer with a high-grade veneer backer with one-side glue coating specific for application onto veneer in hot presses. Information on residuals was not given by the manufacturer. Ranges translate a difference in thickness for the veneer backer (5 mils or 10 mils) which influences the overall composition. Veneer sheets are available in different wood species such as Birch and Walnut.

WOOD (WOOD)

ID: **Not registered**

%: 72.9000 - 80.5000 GS: **NoGS** RC: **None** NANO: **No** ROLE: **Decorative layer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

POLYVINYL ACETATE (PVA) (POLYVINYL ACETATE (PVA))

ID: **9003-20-7**

%: 7.3000 - 8.1000 GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Dried dispersion of polyvinyl acetate copolymer and acrylic acid.

CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE)

ID: 9004-34-6

#: **5.3000 - 9.5000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Paper natural fibers**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cellulose fibers

POLYESTER (POLYESTER)

ID: 113669-95-7

#: **3.2000 - 5.7000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Paper synthetic fibers**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Polyester fibers.

2-PROPENOIC ACID, METHYL ESTER, HOMOPOLYMER (2-PROPENOIC ACID, METHYL ESTER, HOMOPOLYMER)

ID: 9003-21-8

#: **2.1000 - 3.8000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Paper binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for acrylic binder.

ACRYLIC ACID (ACRYLIC ACID)

ID: 79-10-7

#: **0.8000 - 0.9000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Binder ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Dried dispersion of polyvinyl acetate copolymer and acrylic acid.

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Wood is a natural material and does not contain impurities nor residuals.

OTHER MATERIAL NOTES: Alternative to Paper-backed veneer. Represents 21.1% of final product weight when used. Veneer sheets are available in different wood species such as Rustic Birch, Basswood and Maple.

WOOD (WOOD)

ID: **Not registered**

#: **100.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Main material**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

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 - Not Tested**

CERTIFYING PARTY: Self-declared	ISSUE DATE:2018-01-	EXPIRY DATE:	CERTIFIER OR LAB: -
APPLICABLE FACILITIES: -	11		

CERTIFICATION AND COMPLIANCE NOTES: Applies to UVEN-RW with paperbacked veneer top layer only.

VOC EMISSIONS **Inherently nonemitting source of VOC as per LEED**

CERTIFYING PARTY: Self-declared	ISSUE DATE:2018-01-	EXPIRY DATE:	CERTIFIER OR LAB: -
APPLICABLE FACILITIES: -	11		

CERTIFICATION AND COMPLIANCE NOTES: UVEN-RW with wood veneer top layer is considered exempt from general VOC emission testing in the context of LEED projects since it is composed of inherently nonemitting sources of VOC: untreated and unfinished wood veneer and aluminum sheet.

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.

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Chrome fasteners, screws and installation template are provided by Corruven Inc. with UVEN-R panels.

Section 5: General Notes

UVEN-RW can have either a top layer of paperbacked veneer or a layer of regular wood veneer. Both components are alternative top layers.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Corruven Inc.**

ADDRESS: **11 boul. Centre Madawaska, Unit 12
Saint-Basile New-Brunswick E7C 1R7, Canada**

WEBSITE: **www.corruven.com**

CONTACT NAME: **Ian Drapeau**

TITLE: **ITC Director**

PHONE: **506-802-7022**

EMAIL: **info@corruven.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)

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.