Solid Systems (Panel Grilles) by Rulon International

Health Product Declaration v2.1

created via: HPDC Online Builder

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

PRODUCT DESCRIPTION: Rulon International Panel Grilles include versions of Panel Grilles not included in the greater Solid Systems grouping. Panel Grilles are composed of various species of solid wood assembled into configurations and then suspended from walls or ceilings via industry standard attachment methods.

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

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

Name and Identifier Provided?

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

SOLID SYSTEMS (PANEL GRILLES) [CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE) NoGS WATER (WATER) BM-4 POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET)) LT-UNK CARBON BLACK (CARBON BLACK) LT-1 | CAN 1,6-HEXANEDIOL DIACRYLATE (1,6-HEXANEDIOL DIACRYLATE) LT-P1 | SKI | EYE | MUL 1-PROPANOL (1-PROPANOL) BM-2 | EYE | PHY PROPYLENE GLYCOL (PROPYLENE GLYCOL) BM-2 | END UNDISCLOSED CHEMICAL #1 NoGS BENZOPHENONE (BENZOPHENONE) LT-1 | CAN | END TALC (TALC) BM-1 | CAN POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1-OXO-2-PROPEN1-YL)-OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)-(POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1-OXO-2-PROPEN1-YL)-OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)-) LT-UNK AMMONIUM POLYPHOSPHATE (AMMONIUM POLYPHOSPHATE) BM-3 DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE (DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE) LT-P1 | REP | MUL SILICA, AMORPHOUS (SILICA, AMORPHOUS) LT-P1 | CAN UNDISCLOSED CHEMICAL #2 NoGS]

Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING 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%).

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Residential scenario

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- ◉ Yes
- ○ No

PREPARER: Self-Prepared
VERIFIER: SCS Global Services
VERIFICATION #: qGE-4495

SCREENING DATE: 2018-07-13
PUBLISHED DATE: 2018-07-13
EXPIRY DATE: 2021-07-13

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

SOLID SYSTEMS (PANEL GRILLES)

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Rulon International worked with a Third Party HPD Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD.

OTHER PRODUCT NOTES:

CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE)

ID: 9004-34-6

%: 92.3200 - 92.3200 GS: NoGS RC: None NANO: No ROLE: Structure

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

SUBSTANCE NOTES:

WATER (WATER)

ID: 7732-18-5

%: 2.2300 - 2.2300 GS: BM-4 RC: None NANO: No ROLE: Solvent

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

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-4 was provided through the HPD 2.1 Builder Tool.

POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET))

ID: 25038-59-9

%: 1.8300 - 1.8300 GS: LT-UNK RC: None NANO: No ROLE: Structure

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

SUBSTANCE NOTES:

CARBON BLACK (CARBON BLACK)

ID: 1333-86-4

%: 0.6600 - 0.6600 | GS: LT-1 | RC: None | NANO: No | ROLE: Finish

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: The carcinogenicity hazard is only relevant for the inhalation exposure route.

1,6-HEXANEDIOL DIACRYLATE (1,6-HEXANEDIOL DIACRYLATE)

ID: 13048-33-4

%: 0.4600 - 0.9100 | GS: LT-P1 | RC: None | NANO: No | ROLE: Topcoat

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

1-PROPANOL (1-PROPANOL)

ID: 71-23-8

%: 0.3000 - 0.3000 | GS: BM-2 | RC: None | NANO: No | ROLE: Finish

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-2 was provided through the HPD 2.1 Builder Tool.

PROPYLENE GLYCOL (PROPYLENE GLYCOL)

ID: 57-55-6

%: 0.2300 - 0.2300 | GS: BM-2 | RC: None | NANO: No | ROLE: Finish

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

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-2 was provided through the HPD 2.1 Builder Tool.

UNDISCLOSED CHEMICAL #1

ID: **Undisclosed**

%: **0.1800 - 0.3600** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Topcoat Component**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	***3rd Party Screened***

SUBSTANCE NOTES: This chemical is described as acrylated oligomer (oligomers do not have CAS numbers). No hazards were identified for acrylated oligomer.

BENZOPHENONE (BENZOPHENONE)

ID: **119-61-9**

%: **0.0200 - 0.1800** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Topcoat**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

TALC (TALC)

ID: **14807-96-6**

%: **0.0200 - 0.1800** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Topcoat**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-1 was provided through the HPD 2.1 Builder Tool.

POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1-OXO-2-PROPEN1-YL)-OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)- (POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1-OXO-2-PROPEN1-YL)-OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)-)

ID: **26570-48-9**

%: **0.0200 - 0.1800** GS: **LT-UNK**

RC:	NANO:	ROLE:
None	**No**	**Topcoat**

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

SUBSTANCE NOTES:

AMMONIUM POLYPHOSPHATE (AMMONIUM POLYPHOSPHATE)

ID: 68333-79-9

%: 0.0200 - 0.1800 GS: BM-3 RC: None NANO: No ROLE: Topcoat

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

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-3 was provided through the HPD 2.1 Builder Tool.

DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE (DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE)

ID: 75980-60-8

%: 0.0200 - 0.1800 GS: LT-P1 RC: None NANO: No ROLE: Topcoat

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
REPRODUCTIVE	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

SILICA, AMORPHOUS (SILICA, AMORPHOUS)

ID: 7631-86-9

%: 0.0200 - 0.1800 GS: LT-P1 RC: None NANO: No ROLE: Topcoat

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	Japan - GHS	Carcinogenicity - Category 1A

SUBSTANCE NOTES:

UNDISCLOSED CHEMICAL #2

ID: Undisclosed Chemical #2

%: 0.0200 - 0.1800 GS: NoGS RC: None NANO: No ROLE: Topcoat

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

SUBSTANCE NOTES: This chemical is described as amine modified acrylated oligomer (oligomers do not have CAS numbers). No hazards were identified for amine modified acrylated oligomer.

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 V1.2 (Section 01350/CHPS) - Residential scenario**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: CDPH Standard Method – Not tested
CERTIFICATE URL:

ISSUE DATE: 2018-07-06

EXPIRY DATE:

CERTIFIER OR LAB: N/A

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.

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.

Section 6: References

MANUFACTURER INFORMATION

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

CONTACT NAME: **Aaron Journot**
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PHONE: **571-465-7555**
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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 (insuficient 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.