Vinyl Sheet Flooring
by Hyundai L&C Corporation

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 90 65 16 23 Vinyl Sheet Flooring

PRODUCT DESCRIPTION: The Hyundai Heterosheet 1.5mm - 3.0mm Vinyl Sheet is a multi-purpose heterogeneous vinyl sheet with a wide range of applications (office, school, laboratory, etc.). The Vinyl Sheet ranges in total thickness from 1.5-3.0mm and is composed of six layers: coating layer, wear layer, print layer, glass fiber layer, compact layer, non-woven fabric (optional). The polyurethane resin and non-woven fabric (Optional) were not assessed in the HPD.

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
All substances screened using Priority Hazard Lists with results disclosed.

Identified ○ Yes Ex/SC ◉ Yes ○ No
All substances disclosed by Name (Specific or Generic) and Identifier.

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

VINYL SHEET FLOORING [POLYVINYL CHLORIDE (PVC) LT-P1 | RES
LIMESTONE; CALCIUM CARBONATE LT-UNK BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3dg 1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER LT-P1 | MUL SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END DISTILLATE FUEL OILS, LIGHT BM-2 | MAM | CAN POLYETHYLENE GLYCOL NONYLPHENYL ETHER BM-1tp | END | MUL | REP | AQU | DEL ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) BM-2 | SKI | EYE | END CELLULOSE PULP NoGS BARIUM DIOLEATE LT-UNK TRIETHYLENE GLYCOL MONOBUTYL ETHER LT-UNK | EYE 2-(ACRYLOYLOXY)ETHANOL LT-P1 | AQU | MAM | SKI | MUL HYDRODESULFURIZED KEROSENE LT-UNK | MAM PHOSPHOROUS ACID, TRIISODECYL ESTER (9CI) LT-P1 | MUL ZINC NEODECANOATE LT-P1 | MUL POLY(VINYL ALCOHOL) LT-UNK 1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH (2E)-2-BUTENEDIOIC ACID, 1,2-ETHANEDIOL AND 2,2'-OXYBIS(ETHANOL) NoGS 1,2(OR 3)-PROPANEDIOL,1-ACRYLATE LT-UNK | MAM | SKI PENTAERYTHRITOL TRIACRYLATE LT-UNK | SKI | EYE ANOX 20 LT-UNK DIPROPYLENE GLYCOL DIACRYLATE LT-UNK 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- LT-UNK 2,2'-IMINOBISETHANOL N-COCO ALKYL DERIVS. LT-P1 | MUL]

Number of Greenscreen BM-4/BM3 contents ... 0

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Hyundai worked with an HPDC Approved 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 100 ppm threshold.

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: RFCI FloorScore
LCA: Environmental Product Declaration (EPD) by SCS

CONSISTENCY WITH OTHER PROGRAMS

Third Party Verified?

- (•) Yes
- ( ) No

PREPARER: Self-Prepared
VERIFIER: SCS Global Services
VERIFICATION #: qGE-1168

SCREENING DATE: 2020-03-30
PUBLISHED DATE: 2020-05-15
EXPIRY DATE: 2023-03-30

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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

VINYL SHEET FLOORING

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Hyundai L&C worked with an HPDC Approved 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 100 ppm threshold.

OTHER PRODUCT NOTES: Models covered under this HPD are Hyundai Heterogeneous Sheet 1.5mm-3.0mm.

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-30

%: 45.00 - 50.00 GS: LT-P1 RC: None NANO: No ROLE: Structural Component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-30

%: 26.00 - 29.00 GS: LT-UNK RC: None NANO: No ROLE: Filler Component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-30

%: 11.00 - 12.00 GS: BM-3dg RC: None NANO: No ROLE: Plasticizer and Toner Components

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER

ID: 77-90-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **11.00 - 11.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Plasticizer Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **1.30 - 1.60** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Fiberglass and UV Coating Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.70 - 0.70** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Toner Component**

HAZARD TYPE	AGENCY AND LIST TITLES	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 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES:

DISTILLATE FUEL OILS, LIGHT

ID: **64742-47-8**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.50 - 0.50** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Solvent Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

POLYETHYLENE GLYCOL NONYLPHENYL ETHER

ID: **9016-45-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.50 - 0.50** GS: **BM-1tp** RC: **None** NANO: **No** ROLE: **Dispersant Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Substance of Possible Concern
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Chemical for Priority Action
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
CHRON AQUATIC	US EPA - PPT Chemical Action Plans	Highly toxic to aquatic organisms
DEVELOPMENTAL	US EPA - PPT Chemical Action Plans	Developmental Effects
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
ENDOCRINE	EU - SVHC Authorisation List	Equivalent Concern - Candidate List

SUBSTANCE NOTES:

ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)

ID: **111-76-2**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.50 - 1.00** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Dispersant Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

CELLULOSE PULP

ID: **65996-61-4**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.30 - 0.40** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Fiberglass Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

BARIUM DIOLEATE

ID: 591-65-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.25 - 0.35** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

TRIETHYLENE GLYCOL MONOBUTYL ETHER

ID: 143-22-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.20 - 0.30** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Dispersant Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage

SUBSTANCE NOTES:

2-(ACRYLOYLOXY)ETHANOL

ID: 818-61-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.20 - 0.35** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **UV Coating Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
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
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES:

HYDRODESULFURIZED KEROSENE

ID: **64742-81-0**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.15 - 0.25** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways

SUBSTANCE NOTES:

PHOSPHOROUS ACID, TRIISODECYL ESTER (9CI)

ID: **25448-25-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.15 - 0.25** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

ZINC NEODECANOATE

ID: **27253-29-8**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.15 - 0.25** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

POLY(VINYL ALCOHOL)

ID: 9002-89-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.14 - 0.34** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Fiberglass Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH (2E)-2-BUTENEDIOIC ACID, 1,2-ETHANEDIOL AND 2,2'-OXYBIS(ETHANOL)

ID: 28133-55-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.10 - 0.10** GS: **NoGS** RC: **None** NANO: **No** ROLE: **UV Coating Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This value represents the maximum percentage

1,2(OR 3)-PROPANEDIOL,1-ACRYLATE

ID: 25584-83-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.08 - 0.18** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Coating Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES:

PENTAERYTHRITOL TRIACRYLATE

ID: 3524-68-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.07 - 0.17** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Coating Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES:

ANOX 20

ID: 6683-19-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.01 - 0.05** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilizer Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.01 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Coating Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-

ID: 7473-98-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-03-30**

%: **0.01 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Coating Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

2,2'-IMINOBISETHANOL N-COCO ALKYL DERIVS.

ID: **61791-31-9**

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

HAZARD SCREENING DATE: **2020-03-30**

%: **0.01 - 0.01**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Toner Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE 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 — **RFCI FloorScore**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Janggyo-Dong, Jung-Gu, Seoul, Korea, Republic Of
CERTIFICATE URL: https://www.scscertified.com/products/cert_pdfs/EXT1_HyundaiLC_2019_SCS-FS-03893_s.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2019-03-01	2020-05-31	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-FS-03893: Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring. Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.2-2017)

LCA — **Environmental Product Declaration (EPD) by SCS**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: 7F Center1, 26, Eulji-ro 5 Gil, JungGu, Seoul, Korea 04539
CERTIFICATE URL: https://www.scscertified.com/products/cert_pdfs/HyundaiL&C_2019_SCSFS-03540_s.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2017-05-17	2022-05-16	SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-FS-03540: Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring. Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.2-2017)

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

Models covered under this HPD are Hyundai Heterogeneous Sheet, 1.5mm-3.0mm.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Hyundai L&C Corporation**
ADDRESS: **CENTER 1 Building 7-8 Floor 26**
Uljiro 5-gil
Seoul Jung-gu 100-210, South Korea
WEBSITE:
http://www.hlcc.co.kr/en/product/main.jsp?code=enviewVisu6

CONTACT NAME: **Kiwoong Lee**
TITLE: **Staff**
PHONE: **1048205919**
EMAIL: **lgw3112@hanwha.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 (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.