

UnidecoTile, Looselay Tile, and Click Tile - Bering Copy

by KDF CO.,LTD

HPD UNIQUE IDENTIFIER: 1251074048

HPD UNIQUE PRODUCT ID: Not provided.

CLASSIFICATION: 09 65 19.23 Vinyl Tile Flooring

PRODUCT TYPE: Tile Flooring, Vinyl Composition

PRODUCT DESCRIPTION: It is possible to produce unique indoor space by applying differentiated design and pattern, and it is resistant to scratches due to its high durability design which can withstand heavy load. The three KDF tile models that are represented under this HPD are Unideco Tile (2 mm - 5 mm); Looselay Tile (4 mm - 7mm); and Click Tile (4.3 mm - 6 mm) which all have both color and design variations dependent on the tile's print layer.

SCREENING DATE: 2025-11-25

PUBLISHED DATE: 2026-02-04

EXPIRY DATE: 2028-11-25

PREPARER: Self-Prepared

Health Product Declaration v3.0

created via: HPDC Online Builder

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

|                            |                                 |                                                             |
|----------------------------|---------------------------------|-------------------------------------------------------------|
| Inventory Reporting Format | Residuals/Impurities Evaluation | For all contents above the threshold, the manufacturer has: |
| → Basic Method             | → Completed                     |                                                             |
| Threshold Disclosed Per    | Explanation(s) provided :       | Characterized                                               |
| → Product                  | Yes                             | Provided weight and role.                                   |
| Threshold Level            |                                 | Screened                                                    |
| → 1,000 ppm                |                                 | Provided screening results using HPDC-approved methods.     |
|                            |                                 | Identified                                                  |
|                            |                                 | Provided name and CAS RN or other 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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY  
GREENSCREEN SCORE | HAZARD TYPE

UNIDECOTILE, LOOSELAY TILE, AND CLICK TILE - BERING COPY | LIMESTONE BM-3dg PVC POLYVINYL CHLORIDE LT-P1 | MAM BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3dg N-PROPYL ACETATE LT-UNK | EYE | PHY | MAM METHYLMETHACRYLATE-METHACRYLIC ACID COPOLYMER LT-UNK CALCIUM CARBONATE BM-3 | EYE ACETONE LT-P1 | END | DEV | EYE | PHY | MAM | REP 1,4-BENZENEDICARBOXYLIC ACID, MIXED BU AND 2-ETHYLHEXYL DIESTERS NoGS HYDROXYPROPYL ACRYLATE LT-P1 | SKI | MUL | MAM | EYE | AQU 2-PROPENOIC ACID, 2-HYDROXYETHYL ESTER, POLYMER WITH 1,1'-METHYLENEBIS[4-ISOCYANATOCYCLOHEXANE] AND .ALPHA.,.ALPHA.',.ALPHA."-1,2,3-PROPANETRIYLTRIS[.OMEGA.-HYDROXYPOLY[OXY(METHYL-1,2-ETHANEDIYL)]] LT-UNK | SKI | EYE | MAM CARBON BLACK BM-1 | CAN | EYE | MAM | PHY VINYL CHLORIDE VINYL ACETATE COPOLYMER LT-UNK PIGMENT BLUE 15 BM-3 CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK C.I. PIGMENT YELLOW 83 LT-P1 | EYE | AQU 2-HYDROXYETHYL ACRYLATE LT-P1 | SKI | MUL | AQU | MAM | EYE DIPROPYLENE GLYCOL DIACRYLATE LT-UNK | SKI | EYE POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1-OXO-2-PROPEN-1-YL)-OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)- LT-UNK 2-NAPHTHALENECARBOXAMIDE, N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL- 5-YL)-3-HYDROXY-4-[[2-METHOXY-5-METHYL -4-[(METHYLAMINO)SULFONYL]PHENYL]AZO]- LT-P1 HEXANEDIOIC ACID, POLYMER WITH 1,2-ETHANEDIOL AND 1,6-DIISOCYANATO-2,2,4(OR 2,4,4)-TRIMETHYLHEXANE, 2-HYDROXYETHYL ACRYLATE-BLOCKED NoGS 1,6-HEXANEDIOL DIACRYLATE LT-P1 | SKI | MUL | EYE | AQU AQUAFIL BM-1 BENZOPHENONE LT-1 | END | CAN | MUL | AQU TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | SKI | MUL | EYE |

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1, LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special Conditions applied: [MixedRecycledContent]

PFAS DETAILS:

This product does **not** contain intentionally added PFAS confirmed via **laboratory testing**, but it is **unknown** if PFAS is contained in materials or substances from suppliers.

Attestation:

KDF CO.,LTD

2026-02-04

AQU TRIMETHYLOLPROPANE TRIACRYLATE LT-1 SKI | MUL | CAN |  
REP | EYE | AQU HYDROXYCYCLOHEXYL PHENYL KETONE LT-UNK  
| EYE POLYVINYL BUTYRAL LT-UNK DIISONONYL PHTHALATE  
(DINP-1, MIXTURE OF ISOMERS AS MANUFACTURED) BM-1 END |  
CAN | DEV | SKI | EYE | REP TITANIUM DIOXIDE BM-1 CAN | END |  
MAM BARIUM DISTEARATE LT-UNK SKI | EYE | MAM PULP,  
CELLULOSE NoGS

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**  
VOC Content data is not applicable for this product category.

**COMPLIANCE** See Section 3 for additional listings.  
VOC emissions: RFCI FloorScore  
LCA: Environmental Product Declaration (EPD) by SCS  
LCA: Environmental Product Declaration (EPD) by SCS  
LCA: Environmental Product Declaration (EPD) by SCS

**CONSISTENCY WITH OTHER PROGRAMS**  
Pre-checked for LEED v4 Option 1.  
Pre-checked for LEED v4.1 Option 1.  
Pre-checked for LEED v5 Human Health 1.

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 3.0, available on the HPDC website at: [www.hpd-collaborative.org/hpd-3-0-standard](http://www.hpd-collaborative.org/hpd-3-0-standard)

UNIDECOTILE, LOOSELAY TILE, AND CLICK TILE - BERING COPY

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: 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.

OTHER PRODUCT NOTES: The three KDF tile models that are represented under this HPD are Unideco Tile (2 mm - 5 mm); Looselay Tile (4 mm - 7 mm); and Click Tile (4.3 mm - 6 mm) which all have both color and design variations dependent on the tile's print layer.

LIMESTONE

ID: 1317-65-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-11-25 12:57:26

%: 33.9600 - 48.4600

GreenScreen: BM-3dg

RC: None

NANO: No

SUBSTANCE ROLE: Filler

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

PVC

ID: Mixed Recycled Content

HAZARD DATA SOURCE: HPDC Special Conditions Policy

%: 18.2600 - 48.0000

GreenScreen: Not Required

RC: Both

NANO: No

MATERIAL ROLE: Structure component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening is not applicable to this Special Condition

INGREDIENT DESCRIPTION: Recycled PVC

ANALYTICAL TESTING: Recycled PVC is subjected to an asbestos testing according to the Korean Standard Asbestos Testing method for content in bulk samples (KSL5300). Chemicals covered by KSL5300 testing method include Chrysotile, Amosite, Crocidolite, Anthophyllite Asbestos, Actinolite Asbestos, and Tremolite Asbestos. Testing is performed at FITI Testing & Research Institute, accredited by ISO 17025.

BATCH VARIATION: Yes, Recycled PVC is sourced from reclaimed flooring material from demolished buildings and purchased from several suppliers.

COUNTRY OF ORIGIN: Korea

MATERIAL CONTENT NOTES: The large range in material content of Recycled PVC is to account for products containing recycled material or products consisting of only virgin material depending on buyer demands.

This disclosure does not provide information on the potential presence of hazardous substances which may be found in certain mixed recycled materials.

POLYVINYL CHLORIDE

ID: 9002-86-2

|                                                                  |                                                         |                 |                                                                                                                                                           |                                            |  |
|------------------------------------------------------------------|---------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                         |                 | HAZARD SCREENING DATE: <b>2025-11-25 12:57:26</b>                                                                                                         |                                            |  |
| %: <b>10.2872 - 28.1385</b>                                      | GreenScreen: <b>LT-P1</b>                               | RC: <b>None</b> | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Structure component</b> |  |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                                    |                 | WARNINGS                                                                                                                                                  |                                            |  |
| MAM                                                              | GHS - Japan                                             |                 | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |                                            |  |
| MAM                                                              | GHS - Japan                                             |                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                            |  |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                                    |                 | NOTIFICATION                                                                                                                                              |                                            |  |
| RESTRICTED LIST                                                  | Perkins+Will (P+W)                                      |                 | P&W - Precautionary List                                                                                                                                  |                                            |  |
|                                                                  |                                                         |                 | Precautionary list of substances recommended for avoidance                                                                                                |                                            |  |
| RESTRICTED LIST                                                  | International Living Future Institute (ILFI)            |                 | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025                                                            |                                            |  |
|                                                                  |                                                         |                 | Red List substances to avoid in Living Building Challenge V4.0 projects                                                                                   |                                            |  |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) |                 | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025                                                                        |                                            |  |
|                                                                  |                                                         |                 | Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern                                                                          |                                            |  |

SUBSTANCE NOTES: Ranges are due to variances in the thickness of the base layer.

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

|                                                                  |                            |                 |                                                   |                                            |  |
|------------------------------------------------------------------|----------------------------|-----------------|---------------------------------------------------|--------------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-11-25 12:57:27</b> |                                            |  |
| %: <b>2.3078 - 9.0008</b>                                        | GreenScreen: <b>BM-3dg</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Structure component</b> |  |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       |                 | WARNINGS                                          |                                            |  |
| None found                                                       |                            |                 | No warnings found on HPD Priority Hazard Lists    |                                            |  |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  | NOTIFICATION                                               |
|---------------------|---------------------------------------|------------------------------------------------------------|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List<br><br>Some Solvents |
| SUBSTANCE NOTES:    |                                       |                                                            |

N-PROPYL ACETATE

ID: 109-60-4

|                                                                  |                                           |                                                   |                                                                                                         |                            |
|------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           | HAZARD SCREENING DATE: <b>2025-11-25 12:57:27</b> |                                                                                                         |                            |
| %: <b>1.5335 - 5.9772</b>                                        | GreenScreen: <b>LT-UNK</b>                | RC: <b>None</b>                                   | NANO: <b>No</b>                                                                                         | SUBSTANCE ROLE: <b>Ink</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      |                                                   | WARNINGS                                                                                                |                            |
| EYE                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 |                                                   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                  |                            |
| PHY                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 |                                                   | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                              |                            |
| MAM                                                              | GHS - Japan                               |                                                   | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |                            |
| EYE                                                              | GHS - New Zealand                         |                                                   | Eye irritation category 2                                                                               |                            |
| EYE                                                              | GHS - Australia                           |                                                   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                  |                            |
| PHY                                                              | GHS - New Zealand                         |                                                   | Flammable liquids category 2                                                                            |                            |
| PHY                                                              | GHS - Japan                               |                                                   | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                              |                            |
| PHY                                                              | GHS - Malaysia                            |                                                   | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                              |                            |
| PHY                                                              | GHS - Australia                           |                                                   | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                              |                            |
| EYE                                                              | GHS - Malaysia                            |                                                   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                  |                            |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                      |                                                   | NOTIFICATION                                                                                            |                            |
| RESTRICTED LIST                                                  | Green Science Policy Institute (GSPI)     |                                                   | GSPI - Six Classes Precautionary List                                                                   |                            |
|                                                                  |                                           |                                                   | Some Solvents                                                                                           |                            |
| SUBSTANCE NOTES:                                                 |                                           |                                                   |                                                                                                         |                            |

METHYLMETHACRYLATE-METHACRYLIC ACID COPOLYMER

ID: 25086-15-1

|                                                           |                     |                                            |          |                     |
|-----------------------------------------------------------|---------------------|--------------------------------------------|----------|---------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2025-11-25 12:57:28 |          |                     |
| %: 0.9296 - 3.5453                                        | GreenScreen: LT-UNK | RC: None                                   | NANO: No | SUBSTANCE ROLE: Ink |

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                       |
|---------------------|----------------------|------------------------------------------------|
| None found          |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found          |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES:    |                      |                                                |

CALCIUM CARBONATE

ID: 471-34-1

|                                                                  |                          |                 |                                                   |                                            |
|------------------------------------------------------------------|--------------------------|-----------------|---------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-11-25 12:57:28</b> |                                            |
| %: <b>0.0000 - 1.8551</b>                                        | GreenScreen: <b>BM-3</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     |                 | WARNINGS                                          |                                            |
| EYE                                                              | GHS - New Zealand        |                 | Eye irritation category 2                         |                                            |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE     |                 | NOTIFICATION                                      |                                            |
| None found                                                       |                          |                 | No listings found on Additional Hazard Lists      |                                            |
| SUBSTANCE NOTES:                                                 |                          |                 |                                                   |                                            |

ACETONE

ID: 67-64-1

|                                                                  |                           |                                                   |                 |                            |
|------------------------------------------------------------------|---------------------------|---------------------------------------------------|-----------------|----------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           | HAZARD SCREENING DATE: <b>2025-11-25 12:57:29</b> |                 |                            |
| %: <b>0.2988 - 1.2892</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Ink</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |
|---------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor                                                                                                                             |
| DEV                 | MAK                                       | Pregnancy Risk Group B                                                                                                                                    |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| PHY                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                                                                |
| MAM                 | GHS - Japan                               | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |
| EYE                 | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |
| EYE                 | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| MAM                 | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| REP                 | GHS - Japan                               | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                                           |
| PHY                 | GHS - New Zealand                         | Flammable liquids category 2                                                                                                                              |
| PHY                 | GHS - Japan                               | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                                                                |
| PHY                 | GHS - Malaysia                            | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                                                                |
| PHY                 | GHS - Australia                           | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                                                                |
| EYE                 | GHS - Malaysia                            | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                      | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)     | GSPI - Six Classes Precautionary List<br><br>Some Solvents                                                                                                |

SUBSTANCE NOTES:

1,4-BENZENEDICARBOXYLIC ACID, MIXED BU AND 2-ETHYLHEXYL DIESTERS

ID: 1571954-81-8

|                                                                  |                          |                                                |                                                   |                                        |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|---------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2025-11-25 12:57:30</b> |                                        |
| ?: <b>0.0000 - 0.9600</b>                                        | GreenScreen: <b>NoGS</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Glass component</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     | WARNINGS                                       |                                                   |                                        |
| None found                                                       |                          | No warnings found on HPD Priority Hazard Lists |                                                   |                                        |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE     | NOTIFICATION                                   |                                                   |                                        |
| None found                                                       |                          | No listings found on Additional Hazard Lists   |                                                   |                                        |

SUBSTANCE NOTES:

HYDROXYPROPYL ACRYLATE

ID: 25584-83-2

|                                                                  |                           |                                                   |                 |                                |
|------------------------------------------------------------------|---------------------------|---------------------------------------------------|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           | HAZARD SCREENING DATE: <b>2025-11-25 12:57:32</b> |                 |                                |
| ?: <b>0.0012 - 0.5100</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |
|---------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| SKI                 | MAK                                         | Sensitizing Substance Sh - Danger of skin sensitization                                                                                                   |
| MUL                 | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                                                |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                                                      |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]                                                                                            |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]                                                                                  |
| MAM                 | GHS - Japan                                 | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |
| MAM                 | GHS - Japan                                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| SKI                 | GHS - New Zealand                           | Skin corrosion category 1C                                                                                                                                |
| EYE                 | GHS - New Zealand                           | Serious eye damage category 1                                                                                                                             |
| EYE                 | GHS - Japan                                 | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                                                                       |
| SKI                 | GHS - Japan                                 | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]                                                                 |
| SKI                 | GHS - Australia                             | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                                                      |
| MAM                 | GHS - New Zealand                           | Acute inhalation toxicity category 3                                                                                                                      |
| SKI                 | GHS - New Zealand                           | Skin sensitisation category 1                                                                                                                             |
| AQU                 | GHS - Japan                                 | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                                                                  |
| MAM                 | GHS - Australia                             | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]                                                                                            |
| MAM                 | GHS - Australia                             | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]                                                                                  |
| MAM                 | GHS - Australia                             | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| MAM                 | GHS - New Zealand                           | Acute dermal toxicity category 3                                                                                                                          |
| MAM                 | GHS - New Zealand                           | Acute oral toxicity category 3                                                                                                                            |
| MAM                 | GHS - Japan                                 | H310 - Fatal in contact with skin [Acute Toxicity (dermal) - Category 2]                                                                                  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                                                              |
| None found          |                                             | No listings found on Additional Hazard Lists                                                                                                              |

SUBSTANCE NOTES:

2-PROPENOIC ACID, 2-HYDROXYETHYL ESTER, POLYMER WITH 1,1'-METHYLENEBIS[4-ISOCYANATOCYCLOHEXANE] AND .ALPHA.,.ALPHA.',.ALPHA."-1,2,3-PROPANETRIYLTRIS[.OMEGA.-HYDROXYPOLY[OXY(METHYL-1,2-ETHANEDIYL)]]

ID: 73324-00-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-11-25 12:57:33

|                     |                      |                                                                                        |          |                         |
|---------------------|----------------------|----------------------------------------------------------------------------------------|----------|-------------------------|
| %: 0.0252 - 0.5100  | GreenScreen: LT-UNK  | RC: None                                                                               | NANO: No | SUBSTANCE ROLE: Coating |
| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                                                               |          |                         |
| SKI                 | GHS - Australia      | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |          |                         |
| EYE                 | GHS - Australia      | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |          |                         |
| MAM                 | GHS - Australia      | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                |          |                         |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                                                           |          |                         |
| None found          |                      | No listings found on Additional Hazard Lists                                           |          |                         |

SUBSTANCE NOTES:

CARBON BLACK

ID: 1333-86-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-11-25 12:57:29

|                    |                                   |                                                                                                                                                           |          |                     |
|--------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|
| %: 0.0000 - 0.4987 | GreenScreen: BM-1                 | RC: None                                                                                                                                                  | NANO: No | SUBSTANCE ROLE: Ink |
| HAZARD TYPE        | LIST NAME AND SOURCE              | WARNINGS                                                                                                                                                  |          |                     |
| CAN                | US CDC - Occupational Carcinogens | Occupational Carcinogen                                                                                                                                   |          |                     |
| CAN                | MAK                               | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |          |                     |
| CAN                | CA EPA - Prop 65                  | Carcinogen - specific to chemical form or exposure route                                                                                                  |          |                     |
| CAN                | IARC                              | Group 2b - Possibly carcinogenic to humans                                                                                                                |          |                     |
| EYE                | GHS - New Zealand                 | Eye irritation category 2                                                                                                                                 |          |                     |
| CAN                | GHS - New Zealand                 | Carcinogenicity category 2                                                                                                                                |          |                     |
| CAN                | GHS - Japan                       | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |          |                     |
| MAM                | GHS - Japan                       | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |          |                     |
| PHY                | GHS - Japan                       | H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1]                                                                  |          |                     |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES:    |                      |                                              |

VINYL CHLORIDE VINYL ACETATE COPOLYMER

ID: 9003-22-9

|                                                                  |                                                          |                                                                                    |                 |                            |
|------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|----------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                          | HAZARD SCREENING DATE: <b>2025-11-25 12:57:30</b>                                  |                 |                            |
| %: <b>0.0996 - 0.4688</b>                                        | GreenScreen: <b>LT-UNK</b>                               | RC: <b>None</b>                                                                    | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Ink</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                                     | WARNINGS                                                                           |                 |                            |
| None found                                                       |                                                          | No warnings found on HPD Priority Hazard Lists                                     |                 |                            |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                       |                 |                            |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |                 |                            |
|                                                                  |                                                          | Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern   |                 |                            |
| SUBSTANCE NOTES:                                                 |                                                          |                                                                                    |                 |                            |

PIGMENT BLUE 15

ID: 147-14-8

|                                                                  |                                                         |                                                                                    |                 |                            |
|------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|----------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                         | HAZARD SCREENING DATE: <b>2025-11-25 12:57:31</b>                                  |                 |                            |
| %: <b>0.0000 - 0.4688</b>                                        | GreenScreen: <b>BM-3</b>                                | RC: <b>None</b>                                                                    | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Ink</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                                    | WARNINGS                                                                           |                 |                            |
| None found                                                       |                                                         | No warnings found on HPD Priority Hazard Lists                                     |                 |                            |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                       |                 |                            |
| POSITIVE LIST                                                    | US Environmental Protection Agency (US EPA)             | US EPA - DfE Safer Chemicals Ingredients list (SCIL)                               |                 |                            |
|                                                                  |                                                         | Colorants - Green Circle (Verified Low Concern)                                    |                 |                            |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |                 |                            |
|                                                                  |                                                         | Cosmetics and Personal Care Products                                               |                 |                            |
| SUBSTANCE NOTES:                                                 |                                                         |                                                                                    |                 |                            |

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

|                                                                  |                            |                                                   |                 |                                        |
|------------------------------------------------------------------|----------------------------|---------------------------------------------------|-----------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2025-11-25 12:57:33</b> |                 |                                        |
| %: <b>0.0000 - 0.3600</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Glass component</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                         | WARNINGS                                                                                 |
|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------|
| None found          |                                              | No warnings found on HPD Priority Hazard Lists                                           |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                         | NOTIFICATION                                                                             |
| EXEMPT              | European Union / European Commission (EU EC) | EU - REACH Exemptions<br><br>Exempted from REACH Annex V listing due to intrinsic safety |
| SUBSTANCE NOTES:    |                                              |                                                                                          |

C.I. PIGMENT YELLOW 83

ID: 5567-15-7

|                                                                  |                           |                 |                                                           |                            |  |
|------------------------------------------------------------------|---------------------------|-----------------|-----------------------------------------------------------|----------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           |                 | HAZARD SCREENING DATE: <b>2025-11-25 12:57:34</b>         |                            |  |
| %: <b>0.0000 - 0.3516</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b>                                           | SUBSTANCE ROLE: <b>Ink</b> |  |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE      |                 | WARNINGS                                                  |                            |  |
| EYE                                                              | GHS - New Zealand         |                 | Eye irritation category 2                                 |                            |  |
| AQU                                                              | GHS - New Zealand         |                 | Hazardous to the aquatic environment - chronic category 3 |                            |  |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE      |                 | NOTIFICATION                                              |                            |  |
| None found                                                       |                           |                 | No listings found on Additional Hazard Lists              |                            |  |
| SUBSTANCE NOTES:                                                 |                           |                 |                                                           |                            |  |

2-HYDROXYETHYL ACRYLATE

ID: 818-61-1

|                                                                  |                           |                 |                                                   |                                |  |
|------------------------------------------------------------------|---------------------------|-----------------|---------------------------------------------------|--------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           |                 | HAZARD SCREENING DATE: <b>2025-11-25 12:57:30</b> |                                |  |
| %: <b>0.0012 - 0.3400</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Coating</b> |  |

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |
|-------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| SKI         | MAK                                         | Sensitizing Substance Sh - Danger of skin sensitization                                                                                                   |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                                                                                         |
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                                                      |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| MAM         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]                                                                                  |
| MAM         | GHS - Japan                                 | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |
| MAM         | GHS - Japan                                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| SKI         | GHS - New Zealand                           | Skin corrosion category 1C                                                                                                                                |
| EYE         | GHS - New Zealand                           | Serious eye damage category 1                                                                                                                             |
| EYE         | GHS - Japan                                 | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                                                                       |
| SKI         | GHS - Australia                             | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                                                      |
| SKI         | GHS - Japan                                 | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1                                                                                                                             |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                                                                   |
| AQU         | GHS - Japan                                 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| MAM         | GHS - Australia                             | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]                                                                                  |
| AQU         | GHS - Australia                             | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| MAM         | GHS - Japan                                 | H310 - Fatal in contact with skin [Acute Toxicity (dermal) - Category 2]                                                                                  |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-11-25 12:57:31

|                     |                      |                                              |                            |          |                         |
|---------------------|----------------------|----------------------------------------------|----------------------------|----------|-------------------------|
| %: 0.0001 - 0.3400  |                      | GreenScreen: LT-UNK                          | RC: None                   | NANO: No | SUBSTANCE ROLE: Coating |
| HAZARD TYPE         | LIST NAME AND SOURCE |                                              | WARNINGS                   |          |                         |
| SKI                 | GHS - New Zealand    |                                              | Skin irritation category 2 |          |                         |
| EYE                 | GHS - New Zealand    |                                              | Eye irritation category 2  |          |                         |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE |                                              | NOTIFICATION               |          |                         |
| None found          |                      | No listings found on Additional Hazard Lists |                            |          |                         |
| SUBSTANCE NOTES:    |                      |                                              |                            |          |                         |

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

ID: 26570-48-9

|                                                                  |                      |                            |                                                   |                 |                                |
|------------------------------------------------------------------|----------------------|----------------------------|---------------------------------------------------|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                      |                            | HAZARD SCREENING DATE: <b>2025-11-25 12:57:32</b> |                 |                                |
| %: <b>0.0120 - 0.3400</b>                                        |                      | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE |                            | WARNINGS                                          |                 |                                |
| None found                                                       |                      |                            | No warnings found on HPD Priority Hazard Lists    |                 |                                |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE |                            | NOTIFICATION                                      |                 |                                |
| None found                                                       |                      |                            | No listings found on Additional Hazard Lists      |                 |                                |
| SUBSTANCE NOTES:                                                 |                      |                            |                                                   |                 |                                |

2-NAPHTHALENECARBOXAMIDE, N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL- 5-YL)-3-HYDROXY-4-[[2-METHOXY-5-METHYL - 4-[(METHYLAMINO)SULFONYL]PHENYL]AZO]-

ID: 51920-12-8

|                                                                  |                      |                           |                                                   |                 |                            |
|------------------------------------------------------------------|----------------------|---------------------------|---------------------------------------------------|-----------------|----------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                      |                           | HAZARD SCREENING DATE: <b>2025-11-25 12:57:33</b> |                 |                            |
| %: <b>0.0000 - 0.2930</b>                                        |                      | GreenScreen: <b>LT-P1</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Ink</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE |                           | WARNINGS                                          |                 |                            |
| None found                                                       |                      |                           | No warnings found on HPD Priority Hazard Lists    |                 |                            |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE |                           | NOTIFICATION                                      |                 |                            |
| None found                                                       |                      |                           | No listings found on Additional Hazard Lists      |                 |                            |
| SUBSTANCE NOTES:                                                 |                      |                           |                                                   |                 |                            |

HEXANEDIOIC ACID, POLYMER WITH 1,2-ETHANEDIOL AND 1,6-DIISOCYANATO-2,2,4(OR 2,4,4)-TRIMETHYLHEXANE, 2-HYDROXYETHYL ACRYLATE-BLOCKED

ID: 141686-56-8

|                                                                  |  |  |                                                   |  |  |
|------------------------------------------------------------------|--|--|---------------------------------------------------|--|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |  |  | HAZARD SCREENING DATE: <b>2025-11-25 12:57:34</b> |  |  |
|------------------------------------------------------------------|--|--|---------------------------------------------------|--|--|

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                       |
|---------------------|----------------------|------------------------------------------------|
| None found          |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found          |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES:    |                      |                                                |

1,6-HEXANEDIOL DIACRYLATE

ID: 13048-33-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-11-25 12:57:33

| HAZARD TYPE         | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                  |
|---------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| SKI                 | MAK                                         | Sensitizing Substance Sh - Danger of skin sensitization                                                                   |
| MUL                 | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                    |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                    |
| SKI                 | GHS - New Zealand                           | Skin irritation category 2                                                                                                |
| EYE                 | GHS - New Zealand                           | Eye irritation category 2                                                                                                 |
| SKI                 | GHS - Australia                             | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                    |
| EYE                 | GHS - Australia                             | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                    |
| SKI                 | GHS - New Zealand                           | Skin sensitisation category 1                                                                                             |
| AQU                 | GHS - Japan                                 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU                 | GHS - Japan                                 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                              |
| None found          |                                             | No listings found on Additional Hazard Lists                                                                              |
| SUBSTANCE NOTES:    |                                             |                                                                                                                           |

AQUAFIL

ID: 112945-52-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-11-25 12:57:34

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                       |
|---------------------|----------------------|------------------------------------------------|
| None found          |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found          |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES:    |                      |                                                |

BENZOPHENONE

ID: 119-61-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-11-25 12:57:35

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                             |
|-------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                                        |
| CAN         | EU - Annex VI CMRs                          | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence                                                |
| END         | ChemSec - SIN List                          | Endocrine Disruption                                                                                                 |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                                                    |
| CAN         | CA EPA - Prop 65                            | Carcinogen                                                                                                           |
| CAN         | IARC                                        | Group 2b - Possibly carcinogenic to humans                                                                           |
| CAN         | GHS - Japan                                 | H350 - May cause cancer [Carcinogenicity - Category 1B]                                                              |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                                                        |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                              |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1                                                            |
| AQU         | GHS - Japan                                 | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                             |
| AQU         | GHS - Japan                                 | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |
| CAN         | GHS - Australia                             | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                    |
| CAN         | EU - REACH Annex XVII CMRs                  | Carcinogens: Category 1B                                                                                             |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                       |
|---------------------|---------------------------------------------------------|------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |
|                     |                                                         | All Products                                                                       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |
|                     |                                                         | Cosmetics and Personal Care Products                                               |
| SUBSTANCE NOTES:    |                                                         |                                                                                    |

TRIPROPYLENE GLYCOL DIACRYLATE

ID: 42978-66-5

|                                                                  |                           |                                                   |                 |                                |
|------------------------------------------------------------------|---------------------------|---------------------------------------------------|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           | HAZARD SCREENING DATE: <b>2025-11-25 12:57:36</b> |                 |                                |
| %: <b>0.0012 - 0.1700</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                        | WARNINGS                                                                                                             |
|---------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| SKI                 | MAK                                         | Sensitizing Substance Sh - Danger of skin sensitization                                                              |
| MUL                 | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                           |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                               |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                               |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |
| SKI                 | GHS - New Zealand                           | Skin irritation category 2                                                                                           |
| EYE                 | GHS - New Zealand                           | Eye irritation category 2                                                                                            |
| SKI                 | GHS - Australia                             | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                               |
| EYE                 | GHS - Australia                             | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                               |
| SKI                 | GHS - New Zealand                           | Skin sensitisation category 1                                                                                        |
| AQU                 | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 2                                                            |
| AQU                 | GHS - Australia                             | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |
| AQU                 | GHS - Japan                                 | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                             |
| AQU                 | GHS - Japan                                 | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |
| EYE                 | GHS - Japan                                 | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                             |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                         |
| None found          |                                             | No listings found on Additional Hazard Lists                                                                         |

SUBSTANCE NOTES:

|                                                                                  |                          |                                                   |                                                                                   |
|----------------------------------------------------------------------------------|--------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------|
| <div> <div>TRIMETHYLOLPROPANE TRIACRYLATE</div> <div>ID: 15625-89-5</div> </div> |                          |                                                   |                                                                                   |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                 |                          | HAZARD SCREENING DATE: <b>2025-11-25 12:57:37</b> |                                                                                   |
| %: <b>0.0012 - 0.1700</b>                                                        | GreenScreen: <b>LT-1</b> | RC: <b>None</b>                                   | <div> <div>NANO: <b>No</b></div> <div>SUBSTANCE ROLE: <b>Coating</b></div> </div> |

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                  |
|---------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| SKI                 | MAK                                                     | Sensitizing Substance Sh - Danger of skin sensitization                                                                   |
| MUL                 | German FEA - Substances Hazardous to Waters             | Class 3 - Severe Hazard to Waters                                                                                         |
| CAN                 | CA EPA - Prop 65                                        | Carcinogen                                                                                                                |
| CAN                 | IARC                                                    | Group 2b - Possibly carcinogenic to humans                                                                                |
| REP                 | GHS - Japan                                             | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                                     |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                    |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                    |
| CAN                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                         |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| SKI                 | GHS - New Zealand                                       | Skin irritation category 2                                                                                                |
| EYE                 | GHS - New Zealand                                       | Eye irritation category 2                                                                                                 |
| SKI                 | GHS - Australia                                         | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                    |
| EYE                 | GHS - Australia                                         | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                    |
| CAN                 | GHS - Japan                                             | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                         |
| CAN                 | EU - Annex VI CMRs                                      | Carcinogen Category 2 - Suspected human Carcinogen                                                                        |
| SKI                 | GHS - New Zealand                                       | Skin sensitisation category 1                                                                                             |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 2                                                                 |
| AQU                 | GHS - Japan                                             | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU                 | GHS - Japan                                             | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| EYE                 | GHS - Japan                                             | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                                  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                              |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025                                        |
|                     |                                                         | Cosmetics and Personal Care Products                                                                                      |

SUBSTANCE NOTES:

|                                                                  |                            |                                              |                                                   |                                |  |
|------------------------------------------------------------------|----------------------------|----------------------------------------------|---------------------------------------------------|--------------------------------|--|
| HYDROXYCYCLOHEXYL PHENYL KETONE                                  |                            |                                              |                                                   | ID: 947-19-3                   |  |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                              | HAZARD SCREENING DATE: <b>2025-11-25 12:57:34</b> |                                |  |
| %: <b>0.0012 - 0.1700</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                              | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Coating</b> |  |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       |                                              | WARNINGS                                          |                                |  |
| EYE                                                              | GHS - New Zealand          |                                              | Eye irritation category 2                         |                                |  |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE       |                                              | NOTIFICATION                                      |                                |  |
| None found                                                       |                            | No listings found on Additional Hazard Lists |                                                   |                                |  |
| SUBSTANCE NOTES:                                                 |                            |                                              |                                                   |                                |  |

|                                                           |                      |          |                                                |                                     |  |
|-----------------------------------------------------------|----------------------|----------|------------------------------------------------|-------------------------------------|--|
| POLYVINYL BUTYRAL                                         |                      |          |                                                | ID: 63148-65-2                      |  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |          | HAZARD SCREENING DATE: 2025-11-25 12:57:35     |                                     |  |
| %: 0.0210 - 0.1500                                        | GreenScreen: LT-UNK  | RC: None | NANO: No                                       | SUBSTANCE ROLE: Structure component |  |
| HAZARD TYPE                                               | LIST NAME AND SOURCE |          | WARNINGS                                       |                                     |  |
| None found                                                |                      |          | No warnings found on HPD Priority Hazard Lists |                                     |  |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE |          | NOTIFICATION                                   |                                     |  |
| None found                                                |                      |          | No listings found on Additional Hazard Lists   |                                     |  |
| SUBSTANCE NOTES:                                          |                      |          |                                                |                                     |  |

|                                                                   |                                                  |                 |                                                                                                 |                                            |  |
|-------------------------------------------------------------------|--------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------|--------------------------------------------|--|
| DIISONONYL PHTHALATE (DINP-1, MIXTURE OF ISOMERS AS MANUFACTURED) |                                                  |                 |                                                                                                 | ID: 68515-48-0                             |  |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>  |                                                  |                 | HAZARD SCREENING DATE: <b>2025-11-25 12:57:36</b>                                               |                                            |  |
| %: <b>0.0000 - 0.1380</b>                                         | GreenScreen: <b>BM-1</b>                         | RC: <b>None</b> | NANO: <b>No</b>                                                                                 | SUBSTANCE ROLE: <b>Structure component</b> |  |
| HAZARD TYPE                                                       | LIST NAME AND SOURCE                             |                 | WARNINGS                                                                                        |                                            |  |
| END                                                               | TEDX - Potential Endocrine Disruptors            |                 | Potential Endocrine Disruptor                                                                   |                                            |  |
| END                                                               | ChemSec - SIN List                               |                 | Endocrine Disruption                                                                            |                                            |  |
| CAN                                                               | CA EPA - Prop 65                                 |                 | Carcinogen                                                                                      |                                            |  |
| DEV                                                               | US NIH - Reproductive & Developmental Monographs |                 | Some Evidence of Adverse Effects - Developmental Toxicity                                       |                                            |  |
| SKI                                                               | GHS - New Zealand                                |                 | Skin irritation category 2                                                                      |                                            |  |
| EYE                                                               | GHS - New Zealand                                |                 | Eye irritation category 2                                                                       |                                            |  |
| REP                                                               | GHS - Japan                                      |                 | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2] |                                            |  |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                                                  |
|---------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                                    |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Bisphenols and Phthalates                                                                                                        |
| RESTRICTED LIST     | International Living Future Institute (ILFI)            | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                                                        |

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-11-25 12:57:36

%: 0.0950 - 0.1320

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |
|-------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN         | US CDC - Occupational Carcinogens         | Occupational Carcinogen                                                                                                                                   |
| CAN         | CA EPA - Prop 65                          | Carcinogen - specific to chemical form or exposure route                                                                                                  |
| CAN         | IARC                                      | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources                                                                            |
| CAN         | MAK                                       | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value                                                      |
| END         | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor                                                                                                                             |
| CAN         | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |
| CAN         | IARC                                      | Group 2b - Possibly carcinogenic to humans                                                                                                                |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| CAN         | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| MAM         | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                       |
|---------------------|----------------------------------------------------------|------------------------------------------------------------------------------------|
| POSITIVE LIST       | US Environmental Protection Agency (US EPA)              | US EPA - DfE Safer Chemicals Ingredients list (SCIL)                               |
|                     |                                                          | Colorants - Green Circle (Verified Low Concern)                                    |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |
|                     |                                                          | Cosmetics and Personal Care Products                                               |

SUBSTANCE NOTES:

BARIUM DISTEARATE

ID: 6865-35-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-11-25 12:57:37

%: 0.0360 - 0.1000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Stabilizer

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                       |
|-------------|----------------------|--------------------------------|
| SKI         | GHS - New Zealand    | Skin irritation category 2     |
| EYE         | GHS - New Zealand    | Eye irritation category 2      |
| MAM         | GHS - New Zealand    | Acute oral toxicity category 3 |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                       |
|---------------------|----------------------------------------------------------|------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |
|                     |                                                          | Children's Toy Products                                                            |

SUBSTANCE NOTES:

PULP, CELLULOSE

ID: 65996-61-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-11-25 12:57:35

%: 0.0000 - 0.0800

GreenScreen: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Glass component

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|------------------------------------------------|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                         | NOTIFICATION                                                 |
|---------------------|----------------------------------------------|--------------------------------------------------------------|
| EXEMPT              | European Union / European Commission (EU EC) | EU - REACH Exemptions                                        |
|                     |                                              | Exempted from REACH Annex IV listing due to intrinsic safety |

SUBSTANCE NOTES:

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                                |                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------|
| <div><b>COMPLIANCE TYPE:</b> Third Party</div> <div><b>CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:</b> SCS Global Services</div> <div><b>COMPLIANCE DETAILS:</b></div> <div><b>COMPLIANCE SCOPE:</b></div> <div><b>APPLICABLE FACILITIES:</b> All Facilities</div> <div><b>COMPLIANCE URL:</b><br/><a href="https://www.scsglobalservices.com/certifiedclients/certificates/13015">https://www.scsglobalservices.com/certifiedclients/certificates/13015</a></div> <div><b>COMPLIANCE NOTES:</b> Registration # SCS-FS-03081; 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. Indoor Air Quality Certified to SCS-EC10.3-2014 v4.1</div> | <div><b>ISSUE DATE:</b> 2025-07-01</div>       | <div><b>EXPIRY DATE:</b> 2026-06-30</div> |
| LCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Environmental Product Declaration (EPD) by SCS |                                           |
| <div><b>COMPLIANCE TYPE:</b> Third Party</div> <div><b>CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:</b> SCS Global Services</div> <div><b>COMPLIANCE DETAILS:</b></div> <div><b>COMPLIANCE SCOPE:</b></div> <div><b>APPLICABLE FACILITIES:</b> Click Tile in this EPD is manufactured in two ISO 9001 and ISO 14001 certified facilities in Chungnam, Republic of Korea.</div> <div><b>COMPLIANCE URL:</b><br/><a href="https://www.scscertified.com/products/cert_pdfs/SCSEPD-05497_KDF_Click-Tile_050619.pdf">https://www.scscertified.com/products/cert_pdfs/SCSEPD-05497_KDF_Click-Tile_050619.pdf</a></div> <div><b>COMPLIANCE NOTES:</b> Registration # SCS-EPD-05497; This EPD conforms to ISO 14025, 14040, ISO 14044, and ISO 21930</div>                                  | <div><b>ISSUE DATE:</b> 2024-06-06</div>       | <div><b>EXPIRY DATE:</b> 2029-06-05</div> |
| LCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Environmental Product Declaration (EPD) by SCS |                                           |
| <div><b>COMPLIANCE TYPE:</b> Third Party</div> <div><b>CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:</b> SCS Global Services</div> <div><b>COMPLIANCE DETAILS:</b></div> <div><b>COMPLIANCE SCOPE:</b></div> <div><b>APPLICABLE FACILITIES:</b> Looselay Tile in this EPD is manufactured in two ISO 9001 and ISO 14001 certified facilities in Chungnam, Republic of Korea.</div> <div><b>COMPLIANCE URL:</b><br/><a href="https://www.scscertified.com/products/cert_pdfs/SCSEPD-05498_KDF_Looselay_050619.pdf">https://www.scscertified.com/products/cert_pdfs/SCSEPD-05498_KDF_Looselay_050619.pdf</a></div> <div><b>COMPLIANCE NOTES:</b> Registration # SCS-EPD-05498; This EPD conforms to ISO 14025, 14040, ISO 14044, and ISO 21930</div>                                   | <div><b>ISSUE DATE:</b> 2024-06-06</div>       | <div><b>EXPIRY DATE:</b> 2029-06-05</div> |
| LCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Environmental Product Declaration (EPD) by SCS |                                           |

COMPLIANCE TYPE: Third Party

ISSUE DATE: 2024-06-06

EXPIRY DATE: 2029-06-05

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: SCS

Global Services

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Unideco Tile in this EPD is manufactured in two ISO 9001 and ISO 14001 certified facilities in Chungnam, Korea.

COMPLIANCE URL:

[https://www.scs-certified.com/products/cert\\_pdfs/SCSEPD-05499\\_KDF\\_Unideco\\_050619.pdf](https://www.scs-certified.com/products/cert_pdfs/SCSEPD-05499_KDF_Unideco_050619.pdf)

COMPLIANCE NOTES: Registration # SCS-EPD-05499; This EPD conforms to ISO 14025, 14040, ISO 14044, and ISO 21930.

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

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## MANUFACTURER INFORMATION

MANUFACTURER: **KDF CO.,LTD**  
ADDRESS: **110-3, Sinbong-gil, Yeongin-Myeon,  
Asan-si, Chungcheongnam-d, Republic of Korea Asan-si  
Chungcheongnam-do 31422**  
COUNTRY: **South Korea**

WEBSITE: **www.ikdf.co.kr**  
CONTACT NAME: **Kenneth Kim**  
TITLE: **Sales manager**  
PHONE: **+82-2-557-9130**  
EMAIL: **kenneth@ikdf.co.kr**

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

## KEY

### Hazard Types

|                                       |                                                   |                                                      |
|---------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                          | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |                                                      |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |                                                      |

### GreenScreen (GS)

|                                                                     |                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |                                                                |

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

### Recycled Types

|                                                     |
|-----------------------------------------------------|
| <b>PreC</b> Pre-consumer recycled content           |
| <b>PostC</b> Post-consumer recycled content         |
| <b>UNK</b> Inclusion of recycled content is unknown |
| <b>None</b> Does not include recycled content       |

### Other Terms:

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Inventory Methods:

|                                           |                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------|
| <b>Nested Method / Material Threshold</b> | Substances listed within each material per threshold indicated per material |
| <b>Nested Method / Product Threshold</b>  | Substances listed within each material per threshold indicated per product  |
| <b>Basic Method / Product Threshold</b>   | Substances listed individually per threshold indicated per product          |

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| <b>Nano</b>                  | Composed of nano scale particles or nanotechnology         |
| <b>Third Party Verified</b>  | Verification by independent certifier approved by HPDC     |
| <b>Preparer</b>              | Third party preparer, if not self-prepared by manufacturer |
| <b>Applicable facilities</b> | 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 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.*