

HPD UNIQUE IDENTIFIER: 28978

CLASSIFICATION: 09 65 19 Resilient Tile Flooring

PRODUCT DESCRIPTION: Stone Polymer Composite (SPC) Vinyl Tile Maximum Thickness 8mm; our innovative Click N Lock Technology enables the tiles to be laid with minimal effort and with hardly any expertise required. Stone polymer composite flooring combines the durability of stone while being lightweight with a unique 5-layer core. The cushion backing is out of the scope of this assessment.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format                                                                                                  | Threshold Level                                                                                                                                                                            | Residuals/Impurities                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><input type="radio"/> Nested Materials Method</div><div><input checked="" type="radio"/> Basic Method</div></div> | <div><div><input checked="" type="radio"/> 100 ppm</div><div><input type="radio"/> 1,000 ppm</div><div><input type="radio"/> Per GHS SDS</div><div><input type="radio"/> Other</div></div> | <div><div><input checked="" type="radio"/> Considered</div><div><input type="radio"/> Partially Considered</div><div><input type="radio"/> Not Considered</div></div> | <div><div><div>All Substances Above the Threshold Indicated Are:</div><div>Characterized</div><div><input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No</div></div><div><div>% weight and role provided for all substances except SC substances characterized according to SC guidance.</div><div>Screened</div><div><input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No</div></div><div><div>All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.</div><div>Identified</div><div><input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No</div></div><div><div>All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC guidance.</div></div></div> |
| Threshold Disclosed Per                                                                                                     |                                                                                                                                                                                            | Explanation(s) provided for Residuals/Impurities?                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <div><div><input type="radio"/> Material</div><div><input checked="" type="radio"/> Product</div></div>                     |                                                                                                                                                                                            | <div><div><input checked="" type="radio"/> Yes <input type="radio"/> No</div></div>                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**

**GREENSCREEN SCORE | HAZARD TYPE**

**SPC TILE [ LIMESTONE BM-3dg POLYVINYL CHLORIDE LT-P1 | RES SC:RECYCLED PROCESS WASTE Not Screened CHLORINATED POLYETHYLENE (CPE) (ALTERNATE CASRN IS 63231-66-3) LT-UNK STYRENE BM-1 | END | CAN | RES | MUL | REP | SKI | EYE | MAM | DEV ETHENE, HOMOPOLYMER, OXIDIZED LT-UNK DIPROPYLENE GLYCOL DIACRYLATE LT-UNK TRIS(2-ETHYLHEXYL) TRIMELLITATE BM-U | END GLYCERYL MONOSTEARATE LT-UNK ACRYLONITRILE BM-1 | CAN | END | SKI | MUL | MAM | REP | PHY | AQU | EYE TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | SKI | MUL | EYE | AQU ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE LT-P1 SILICA GEL LT-UNK BENZOPHENONE LT-1 | END | CAN CALCIUM CARBONATE BM-3 CARBON BLACK BM-1 | CAN PHOSPHONIC ACID, [[3,5-BIS(1,1-DIMETHYLETHYL) -4-HYDROXYPHENYL]METHYL]-, MONOETHYL ESTER, NICKEL(2++) SALT (2:1) LT-1 | CAN | RES EPOXIDIZED SOYBEAN OIL LT-P1 2-PROPENOIC ACID, 2-PHENOXYETHYL ESTER LT-P1 | MUL HYDROXYCYCLOHEXYL PHENYL KETONE LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END WATER BM-4 ]**

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

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

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Special conditions applied: MixedRecycledContent

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

Welspun Flooring Limited worked with the HPDC Approved Preparer to confirm that all intentionally added ingredients, residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

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

VOC emissions: UL/GreenGuard Gold Certified

VOC emissions: RFCI FloorScore

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

☒ Yes

☐ No

PREPARER: ToxServices LLC  
VERIFIER: SCS Global Services  
VERIFICATION #: qGE-13660

SCREENING DATE: 2022-06-22  
PUBLISHED DATE: 2022-06-28  
EXPIRY DATE: 2025-06-22

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

SPC TILE

|                                                                                                                                                                                                                                                                                                                                    |                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                                                         | RESIDUALS AND IMPURITIES CONSIDERED: Yes |
| RESIDUALS AND IMPURITIES NOTES: Welspun Flooring Limited worked with the HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold. |                                          |
| OTHER PRODUCT NOTES: The cushion backing is out of the scope of this assessment.                                                                                                                                                                                                                                                   |                                          |

LIMESTONEID: 1317-65-3

|                                                                                                                       |                        |                                            |                                                |                                                             |
|-----------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------|------------------------------------------------|-------------------------------------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library                                                        |                        | HAZARD SCREENING DATE: 2022-06-22 17:51:55 |                                                |                                                             |
| %: 56.6900 - 56.6900                                                                                                  |                        | GS: BM-3dg                                 |                                                | RC: None    NANO: No    SUBSTANCE ROLE: Structure component |
| HAZARD TYPE                                                                                                           | AGENCY AND LIST TITLES |                                            | WARNINGS                                       |                                                             |
| None found                                                                                                            |                        |                                            | No warnings found on HPD Priority Hazard Lists |                                                             |
| SUBSTANCE NOTES: The GreenScreen® Benchmark assessment score of BM-3dg was provided through the HPD 2.2 Builder Tool. |                        |                                            |                                                |                                                             |

POLYVINYL CHLORIDEID: 9002-86-2

|                                                                       |                        |                                                   |                 |                                            |
|-----------------------------------------------------------------------|------------------------|---------------------------------------------------|-----------------|--------------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        | HAZARD SCREENING DATE: <b>2022-06-22 17:51:56</b> |                 |                                            |
| ?: <b>18.7404 - 18.9298</b>                                           | GS: <b>LT-P1</b>       | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES | WARNINGS                                          |                 |                                            |
| RES                                                                   | AOEC - Asthmagens      | Asthmagen (Rs) - sensitizer-induced               |                 |                                            |
| SUBSTANCE NOTES:                                                      |                        |                                                   |                 |                                            |

SC:RECYCLED PROCESS WASTEID: SC:MixedRC

|                                                                       |                         |                                            |                 |                                            |
|-----------------------------------------------------------------------|-------------------------|--------------------------------------------|-----------------|--------------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                         | HAZARD SCREENING DATE: <b>Not Screened</b> |                 |                                            |
| %: <b>18.1700 - 18.1700</b>                                           | GS: <b>Not Screened</b> | RC: <b>PreC</b>                            | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES  | WARNINGS                                   |                 |                                            |
| Hazard Screening not performed                                        |                         |                                            |                 |                                            |

SUBSTANCE NOTES:

Version: SCMixedRC/2018-02-23

Is regular, analytical testing performed on the substance?: No

Our product is Click and Lock tile - its a board extruded through a hot melt extruder at a width of 1000 mm and thickness of 5 mm. During extrusion, the sides will be uneven. Therefore, to make it 1000 mm wide, we cut the edges. The cutting strip is the waste generated during manufacturing. This will be about 18 to 20%. This waste will be sent to our crushing and milling station to do the recycling through pulverizing and converting it into dust. This dust will be mixed with virgin material at about 18% to 20%. This recycled material contains all materials used to produce the click and lock tile.

BatchVariation: No

SourceofOrigin: In-house process waste

Why is there limited information?: N/A

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

CHLORINATED POLYETHYLENE (CPE) (ALTERNATE CASRN IS 63231-66-3)

ID: 64754-90-1

|                                                                       |                        |                                                   |                 |                                            |
|-----------------------------------------------------------------------|------------------------|---------------------------------------------------|-----------------|--------------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        | HAZARD SCREENING DATE: <b>2022-06-22 17:51:56</b> |                 |                                            |
| %: <b>1.6400 - 1.6800</b>                                             | GS: <b>LT-UNK</b>      | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES | WARNINGS                                          |                 |                                            |
| None found                                                            |                        | No warnings found on HPD Priority Hazard Lists    |                 |                                            |
| SUBSTANCE NOTES: Alternate CASRN: 63231-66-3                          |                        |                                                   |                 |                                            |

STYRENE

ID: 100-42-5

|                                                                |          |                                            |          |                         |
|----------------------------------------------------------------|----------|--------------------------------------------|----------|-------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |          | HAZARD SCREENING DATE: 2022-06-22 17:51:57 |          |                         |
| %: 1.1400 - 1.2900                                             | GS: BM-1 | RC: None                                   | NANO: No | SUBSTANCE ROLE: Monomer |

| HAZARD TYPE                                                                                                         | AGENCY AND LIST TITLES                      | WARNINGS                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| END                                                                                                                 | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                                                           |
| END                                                                                                                 | ChemSec - SIN List                          | Endocrine Disruption                                                                                                                    |
| CAN                                                                                                                 | CA EPA - Prop 65                            | Carcinogen                                                                                                                              |
| RES                                                                                                                 | AOEC - Asthmagens                           | Asthmagen (Rs) - sensitizer-induced                                                                                                     |
| CAN                                                                                                                 | US NIH - Report on Carcinogens              | Reasonably Anticipated to be Human Carcinogen                                                                                           |
| CAN                                                                                                                 | IARC                                        | Group 2a - Agent is probably Carcinogenic to humans                                                                                     |
| MUL                                                                                                                 | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                              |
| CAN                                                                                                                 | MAK                                         | Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels                                                    |
| END                                                                                                                 | EU - Priority Endocrine Disruptors          | Category 1 - In vivo evidence of Endocrine Disruption Activity                                                                          |
| REP                                                                                                                 | GHS - Japan                                 | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                                                   |
| REP                                                                                                                 | GHS - Japan                                 | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]                                                   |
| 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]                                                  |
| MAM                                                                                                                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| DEV                                                                                                                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]                                                     |
| SUBSTANCE NOTES: The GreenScreen® Benchmark assessment score of BM-1 was provided through the HPD 2.2 Builder Tool. |                                             |                                                                                                                                         |

ETHENE, HOMOPOLYMER, OXIDIZED

ID: 68441-17-8

|                                                                       |                        |                                                   |                                                         |
|-----------------------------------------------------------------------|------------------------|---------------------------------------------------|---------------------------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        | HAZARD SCREENING DATE: <b>2022-06-22 17:51:57</b> |                                                         |
| %: <b>0.5100 - 0.5100</b>                                             | GS: <b>LT-UNK</b>      | RC: <b>None</b>                                   | NANO: <b>No</b> SUBSTANCE ROLE: <b>Surface modifier</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES | WARNINGS                                          |                                                         |
| None found                                                            |                        | No warnings found on HPD Priority Hazard Lists    |                                                         |
| SUBSTANCE NOTES:                                                      |                        |                                                   |                                                         |

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

|                                                                       |                   |                                                   |                                                |
|-----------------------------------------------------------------------|-------------------|---------------------------------------------------|------------------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                   | HAZARD SCREENING DATE: <b>2022-06-22 17:51:58</b> |                                                |
| %: <b>0.4500 - 0.9000</b>                                             | GS: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> SUBSTANCE ROLE: <b>Coating</b> |

| HAZARD TYPE      | AGENCY AND LIST TITLES | WARNINGS                                       |
|------------------|------------------------|------------------------------------------------|
| None found       |                        | No warnings found on HPD Priority Hazard Lists |
| SUBSTANCE NOTES: |                        |                                                |

**TRIS(2-ETHYLHEXYL) TRIMELLITATE**
ID: **3319-31-1**

|                                                                                                                     |                                       |                                                   |                                                            |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|------------------------------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>                                               |                                       | HAZARD SCREENING DATE: <b>2022-06-22 17:51:58</b> |                                                            |
| %: <b>0.2870 - 0.2870</b>                                                                                           | GS: <b>BM-U</b>                       | RC: <b>None</b>                                   | NANO: <b>No</b> SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                                                                         | AGENCY AND LIST TITLES                | WARNINGS                                          |                                                            |
| END                                                                                                                 | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor                     |                                                            |
| SUBSTANCE NOTES: The GreenScreen® Benchmark assessment score of BM-U was provided through the HPD 2.2 Builder Tool. |                                       |                                                   |                                                            |

**GLYCERYL MONOSTEARATE**
ID: **123-94-4**

|                                                                |                                                |                                            |          |                           |
|----------------------------------------------------------------|------------------------------------------------|--------------------------------------------|----------|---------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |                                                | HAZARD SCREENING DATE: 2022-06-22 17:51:59 |          |                           |
| ?: 0.2574 - 0.2600                                             | GS: LT-UNK                                     | RC: None                                   | NANO: No | SUBSTANCE ROLE: Lubricant |
| HAZARD TYPE                                                    | AGENCY AND LIST TITLES                         |                                            | WARNINGS |                           |
| None found                                                     | No warnings found on HPD Priority Hazard Lists |                                            |          |                           |
| SUBSTANCE NOTES:                                               |                                                |                                            |          |                           |

**ACRYLONITRILE**
ID: **107-13-1**

| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                                             | HAZARD SCREENING DATE: <b>2022-06-22 17:51:59</b>                                              |                                                |
|-----------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------|
| %: <b>0.2300 - 0.3800</b>                                             | GS: <b>BM-1</b>                             | RC: <b>None</b>                                                                                | NANO: <b>No</b> SUBSTANCE ROLE: <b>Monomer</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES                      | WARNINGS                                                                                       |                                                |
| CAN                                                                   | US CDC - Occupational Carcinogens           | Occupational Carcinogen                                                                        |                                                |
| END                                                                   | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                  |                                                |
| CAN                                                                   | EU - REACH Annex XVII CMRs                  | Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man |                                                |
| CAN                                                                   | EU - Annex VI CMRs                          | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence                          |                                                |
| SKI                                                                   | MAK                                         | Sensitizing Substance Sh - Danger of skin sensitization                                        |                                                |
| MUL                                                                   | ChemSec - SIN List                          | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                           |                                                |
| MUL                                                                   | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                              |                                                |
| CAN                                                                   | US EPA - IRIS Carcinogens                   | (1986) Group B1 - Probable human Carcinogen                                                    |                                                |
| CAN                                                                   | CA EPA - Prop 65                            | Carcinogen                                                                                     |                                                |
| CAN                                                                   | IARC                                        | Group 2b - Possibly carcinogenic to humans                                                     |                                                |

|                                                                                                                     |                                               |                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| CAN                                                                                                                 | MAK                                           | Carcinogen Group 2 - Considered to be carcinogenic for man                                                           |
| CAN                                                                                                                 | US NIH - Report on Carcinogens                | Reasonably Anticipated to be Human Carcinogen                                                                        |
| MAM                                                                                                                 | US EPA - EPCRA Extremely Hazardous Substances | Extremely Hazardous Substances                                                                                       |
| CAN                                                                                                                 | GHS - Australia                               | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                                                        |
| CAN                                                                                                                 | GHS - Japan                                   | H350 - May cause cancer [Carcinogenicity - Category 1A]                                                              |
| REP                                                                                                                 | GHS - Japan                                   | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                                |
| CAN                                                                                                                 | GHS - Korea                                   | H350 - May cause cancer [Carcinogenicity - Category 1]                                                               |
| CAN                                                                                                                 | GHS - Japan                                   | H350 - May cause cancer [Carcinogenicity - Category 1B]                                                              |
| CAN                                                                                                                 | GHS - Malaysia                                | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                                                        |
| REP                                                                                                                 | GHS - Japan                                   | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]                                |
| SKI                                                                                                                 | EU - GHS (H-Statements) Annex 6 Table 3-1     | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                               |
| SKI                                                                                                                 | EU - GHS (H-Statements) Annex 6 Table 3-1     | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]                                         |
| CAN                                                                                                                 | EU - GHS (H-Statements) Annex 6 Table 3-1     | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                                                        |
| PHY                                                                                                                 | EU - GHS (H-Statements) Annex 6 Table 3-1     | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                           |
| 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] |
| 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]                                             |
| EYE                                                                                                                 | EU - GHS (H-Statements) Annex 6 Table 3-1     | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]                                    |
| CAN                                                                                                                 | GHS - New Zealand                             | Carcinogenicity category 1                                                                                           |
| SUBSTANCE NOTES: The GreenScreen® Benchmark assessment score of BM-1 was provided through the HPD 2.2 Builder Tool. |                                               |                                                                                                                      |

TRIPROPYLENE GLYCOL DIACRYLATE

ID: 42978-66-5

|                          |                                       |                        |                     |                         |  |
|--------------------------|---------------------------------------|------------------------|---------------------|-------------------------|--|
| HAZARD SCREENING METHOD: | Pharos Chemical and Materials Library | HAZARD SCREENING DATE: | 2022-06-22 17:52:00 |                         |  |
| %: 0.1800 - 0.3600       | GS: LT-P1                             | RC: None               | NANO: No            | SUBSTANCE ROLE: Coating |  |

| HAZARD TYPE      | AGENCY AND LIST TITLES                      | 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]                                               |
| SKI              | EU - GHS (H-Statements) Annex 6 Table 3-1   | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]                                         |
| 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] |
| SUBSTANCE NOTES: |                                             |                                                                                                                      |

**ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE**

ID: **28961-43-5**

|                                                                       |                        |                                                   |                 |                                |
|-----------------------------------------------------------------------|------------------------|---------------------------------------------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        | HAZARD SCREENING DATE: <b>2022-06-22 17:52:00</b> |                 |                                |
| %: <b>0.0900 - 0.1800</b>                                             | GS: <b>LT-P1</b>       | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES |                                                   | WARNINGS        |                                |
| None found                                                            |                        | No warnings found on HPD Priority Hazard Lists    |                 |                                |
| SUBSTANCE NOTES:                                                      |                        |                                                   |                 |                                |

**SILICA GEL**

ID: **112926-00-8**

|                                                                       |  |                                                   |  |                 |                 |                                |
|-----------------------------------------------------------------------|--|---------------------------------------------------|--|-----------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |  | HAZARD SCREENING DATE: <b>2022-06-22 17:52:01</b> |  |                 |                 |                                |
| %: <b>0.0900 - 0.1620</b>                                             |  | GS: <b>LT-UNK</b>                                 |  | RC: <b>None</b> | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |
| HAZARD TYPE                                                           |  | AGENCY AND LIST TITLES                            |  | WARNINGS        |                 |                                |
| None found                                                            |  | No warnings found on HPD Priority Hazard Lists    |  |                 |                 |                                |
| SUBSTANCE NOTES:                                                      |  |                                                   |  |                 |                 |                                |

**BENZOPHENONE**

ID: **119-61-9**

|                                                                       |                 |                                                   |                 |                                |
|-----------------------------------------------------------------------|-----------------|---------------------------------------------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                 | HAZARD SCREENING DATE: <b>2022-06-22 17:52:01</b> |                 |                                |
| %: <b>0.0540 - 0.0900</b>                                             | GS: <b>LT-1</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |

| HAZARD TYPE | AGENCY AND LIST TITLES                | WARNINGS                                   |
|-------------|---------------------------------------|--------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor              |
| END         | ChemSec - SIN List                    | Endocrine Disruption                       |
| CAN         | CA EPA - Prop 65                      | Carcinogen                                 |
| CAN         | IARC                                  | Group 2b - Possibly carcinogenic to humans |

SUBSTANCE NOTES:

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-06-22 17:52:02

%: 0.0500 - 0.0900

GS: BM-3

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

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

SUBSTANCE NOTES: The GreenScreen® Benchmark assessment score of BM-3 was provided through the HPD 2.2 Builder Tool.

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-06-22 17:52:02

%: 0.0490 - 0.0500

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

| HAZARD TYPE | AGENCY AND LIST TITLES            | 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 - inhaled from occupational sources               |

SUBSTANCE NOTES: The GreenScreen® Benchmark assessment score of BM-1 was provided through the HPD 2.2 Builder Tool.

PHOSPHONIC ACID, [[3,5-BIS(1,1-DIMETHYLETHYL) -4-HYDROXYPHENYL]METHYL]-, MONOETHYL ESTER, NICKEL(2++) SALT (2:1)

ID: 30947-30-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-06-22 17:52:03

%: 0.0322 - 0.0322

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

| HAZARD TYPE | AGENCY AND LIST TITLES         | WARNINGS                                  |
|-------------|--------------------------------|-------------------------------------------|
| CAN         | IARC                           | Group 1 - Agent is Carcinogenic to humans |
| CAN         | CA EPA - Prop 65               | Carcinogen                                |
| CAN         | US NIH - Report on Carcinogens | Known to be a human Carcinogen            |
| RES         | AOEC - Asthmagens              | Asthmagen (Rs) - sensitizer-induced       |

SUBSTANCE NOTES:

**EPOXIDIZED SOYBEAN OIL**

ID: **8013-07-8**

| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        | HAZARD SCREENING DATE: <b>2022-06-22 17:52:03</b> |                 |                                            |
|-----------------------------------------------------------------------|------------------------|---------------------------------------------------|-----------------|--------------------------------------------|
| %: <b>0.0210 - 0.0210</b>                                             | GS: <b>LT-P1</b>       | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES | WARNINGS                                          |                 |                                            |
| None found                                                            |                        | No warnings found on HPD Priority Hazard Lists    |                 |                                            |

SUBSTANCE NOTES:

**2-PROPENOIC ACID, 2-PHENOXYETHYL ESTER**

ID: **48145-04-6**

| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                                             | HAZARD SCREENING DATE: <b>2022-06-22 17:52:05</b> |                 |                                |
|-----------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------|-----------------|--------------------------------|
| %: <b>0.0180 - 0.0540</b>                                             | GS: <b>LT-P1</b>                            | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES                      | WARNINGS                                          |                 |                                |
| MUL                                                                   | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                        |                 |                                |

SUBSTANCE NOTES:

**HYDROXYCYCLOHEXYL PHENYL KETONE**

ID: **947-19-3**

| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        | HAZARD SCREENING DATE: <b>2022-06-22 17:52:04</b> |                 |                                |
|-----------------------------------------------------------------------|------------------------|---------------------------------------------------|-----------------|--------------------------------|
| %: <b>0.0180 - 0.0540</b>                                             | GS: <b>LT-UNK</b>      | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES | WARNINGS                                          |                 |                                |
| None found                                                            |                        | No warnings found on HPD Priority Hazard Lists    |                 |                                |

SUBSTANCE NOTES:

**TITANIUM DIOXIDE**

ID: **13463-67-7**

|                                                                       |                 |                                                   |                 |                                            |
|-----------------------------------------------------------------------|-----------------|---------------------------------------------------|-----------------|--------------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                 | HAZARD SCREENING DATE: <b>2022-06-22 17:52:05</b> |                 |                                            |
| %: <b>0.0000 - 0.1400</b>                                             | GS: <b>LT-1</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Structure component</b> |

| HAZARD TYPE      | AGENCY AND LIST TITLES                    | 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              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                    |
| SUBSTANCE NOTES: |                                           |                                                                                                      |

WATER

ID: 7732-18-5

|                                                                                                                     |                        |                                                |          |                         |
|---------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------|----------|-------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library                                                      |                        | HAZARD SCREENING DATE: 2022-06-22 17:52:06     |          |                         |
| %: 0.0000 - 0.0520                                                                                                  | GS: BM-4               | RC: None                                       | NANO: No | SUBSTANCE ROLE: Solvent |
| HAZARD TYPE                                                                                                         | AGENCY AND LIST TITLES | WARNINGS                                       |          |                         |
| None found                                                                                                          |                        | No warnings found on HPD Priority Hazard Lists |          |                         |
| SUBSTANCE NOTES: The GreenScreen® Benchmark assessment score of BM-4 was provided through the HPD 2.2 Builder Tool. |                        |                                                |          |                         |

## Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

| VOC EMISSIONS                                                                                                                                                                                                                                                                                                                                                | UL/GreenGuard Gold Certified |                         |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------|----------------------|
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: All Facilities<br>CERTIFICATE URL: <a href="https://services.carpet-rug.org/api/v2/GLPCertificate/100217">https://services.carpet-rug.org/api/v2/GLPCertificate/100217</a>                                                                                                                           | ISSUE DATE: 2021-06-25       | EXPIRY DATE: 2022-06-25 | CERTIFIER OR LAB: UL |
| CERTIFICATION AND COMPLIANCE NOTES: GLP100217. Flooring products are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. |                              |                         |                      |

| VOC EMISSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | RFCI FloorScore        |                         |                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------|---------------------------------------|
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: All Facilities<br>CERTIFICATE URL: <a href="https://www.scsglobalservices.com/certified-clients/certificates/27249">https://www.scsglobalservices.com/certified-clients/certificates/27249</a>                                                                                                                                                                                                                                | ISSUE DATE: 2021-09-01 | EXPIRY DATE: 2022-08-31 | CERTIFIER OR LAB: SCS Global Services |
| CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-FS-05673. Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0. Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring. Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m <sup>3</sup> (in compliance with CDPH/EHLB Standard Method v1.2 2017) |                        |                         |                                       |

## Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

No accessories are required for this product.

## Section 5: General Notes

Welspun Flooring Limited worked with the HPDC Approved Preparer to confirm that all intentionally added ingredients, residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.

## MANUFACTURER INFORMATION

**MANUFACTURER:** Welspun Flooring Limited  
**ADDRESS:** 190, Chandanvalle, Chandanvalle, Shabad, Rangareddy-501503  
**Shabad Telengana 501503, India**  
**WEBSITE:** [www.welspunflooring.com](http://www.welspunflooring.com)

**CONTACT NAME:** Mukesh Savlani  
**TITLE:** CEO  
**PHONE:** 1800-120-1161  
**EMAIL:** [mukesh\\_savlani@welspun.com](mailto:mukesh_savlani@welspun.com)

*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-1</b> List Translator 1 (Likely Benchmark-1)                                                                                                                                                                             |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.) |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      |                                                                                                                                                                                                                                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          |                                                                                                                                                                                                                                |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |                                                                                                                                                                                                                                |
| <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)      | <b>NoGS</b> No GreenScreen.                                                                                                                                                                                                    |

### Recycled Types

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

### Other Terms:

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

### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*