

HPD UNIQUE IDENTIFIER: 564162286592

CLASSIFICATION: 09 65 19.23 Vinyl Tile Flooring

PRODUCT DESCRIPTION: Essentials Rigid Click - 4.8mm Overall Thickness, 0.3mm Wear Layer

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold Level, Residuals/Impurities Evaluation, and a descriptive column for screening results. Includes options for 'Nested Materials Method', 'Basic Method', 'Threshold Disclosed Per' (Material/Product), and 'Residuals/Impurities Evaluation' (Completed/Partially Completed/Not Completed).

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

ESSENTIALS RIGID CLICK - 4.8MM/0.3MM | CALCIUM CARBONATE BM-3 | EYE POLYVINYL CHLORIDE LT-P1 | MAM CHLORINATED POLYETHYLENE (CPE) LT-UNK | OCTADECANOIC ACID, CALCIUM SALT LT-UNK | DI(2-ETHYLHEXYL) TEREPHTHALATE BM-3dg | OCTADECANOIC ACID, ZINC SALT LT-UNK | AQU POLYETHYLENE LT-UNK | 2-PROPENAMIDE, POLYMER WITH ETHENYLBENZENE LT-UNK | PETROLEUM RESINS LT-UNK | BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE LT-UNK | POLYURETHANE FOAMS LT-UNK | CARBON BLACK BM-1 | CAN | EYE | MAM 1,6-HEXANEDIOL DIACRYLATE LT-P1 | SKI | MUL | EYE | AQU 2-PROPENOIC ACID, 2-(HYDROXYMETHYL)-2-[[[(1-OXO-2-PROPENYL)OXY]METHYL]-1,3-PROPANEDIYL ESTER LT-P1 | SKI | EYE | AQU | REP | MAM WHITE MINERAL OIL (PETROLEUM) LT-UNK | SILICA GEL, PPTD., CRYST.-FREE LT-UNK | ALUMINUM OXIDE BM-2 | MAM DISILOXANE, 1,3-DIETHENYL-1,1,3,3-TETRAMETHYL- LT-UNK | DIAZENE-1,2-DICARBOXAMIDE (C,C'-AZODI(FORMAMIDE)) LT-UNK | PHY | RES HYDROXYCYCLOHEXYL PHENYL KETONE LT-UNK | EYE 1-BUTENE, HOMOPOLYMER LT-UNK

Number of Greenscreen BM-4/BM3 contents ... 2
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD was created with Basic Inventory.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: RFCI FloorScore

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

Summary table with 3 columns: Third Party Verified? (Yes/No), PREPARER: Self-Prepared, VERIFIER: VERIFICATION #:, SCREENING DATE: 2023-05-19, PUBLISHED DATE: 2023-05-19, EXPIRY DATE: 2026-05-19

Section 2: Content in Descending Order of Quantity

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

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

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

ESSENTIALS RIGID CLICK - 4.8MM/0.3MM

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: Although this product does not meet the qualifications for "Residuals & Impurities - Considered", we have: 1) disclosed all known, intentionally-added ingredients; 2) tested this product to ensure it is free of red list heavy metals, phthalate-free, formaldehyde-free, and meets VOC emissions/indoor air quality requirements per California Section 01350.

OTHER PRODUCT NOTES: We have disclosed all known, intentionally-added ingredients.

CALCIUM CARBONATE

ID: 471-34-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-05-19 12:17:35

#: 61.4320 - 63.8310 GreenScreen: BM-3 RC: None NANO: No SUBSTANCE ROLE: Filler

| 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 CHLORIDE

ID: 9002-86-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-05-19 12:17:35

#: 26.0630 - 29.3650 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Polymer species

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|----------------------|---|
| 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 | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions |
| RESTRICTED LIST | International Living Future Institute (ILFI) | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2023 Red List substances to avoid in Living Building Challenge V4.0 projects |

SUBSTANCE NOTES:

CHLORINATED POLYETHYLENE (CPE)

ID: 63231-66-3

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|--|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-05-19 12:17:36 | | |
| %: 3.1380 - 3.3870 | GreenScreen: LT-UNK | RC: None NANO: No SUBSTANCE ROLE: Processing regulator |
| 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions |
| RESTRICTED LIST | International Living Future Institute (ILFI) | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2023 Red List substances to avoid in Living Building Challenge V4.0 projects |

SUBSTANCE NOTES:

OCTADECANOIC ACID, CALCIUM SALT

ID: 1592-23-0

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|--|----------------------------|---|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-05-19 12:17:37 | | |
| %: 1.6330 - 1.7530 | GreenScreen: LT-UNK | RC: None NANO: No SUBSTANCE ROLE: Stabilizer |
| 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:

DI(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-05-19 12:17:37

%: 1.0190 - 1.0780 GreenScreen: BM-3dg RC: None NANO: No SUBSTANCE ROLE: Plasticizer

| 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 of Problematic Chemicals Some Solvents |

SUBSTANCE NOTES:

OCTADECANOIC ACID, ZINC SALT

ID: 557-05-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-05-19 12:17:37

%: 0.8160 - 0.8810 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Stabilizer

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---------------------|--|--|
| AQU | GHS - New Zealand | Hazardous to the aquatic environment - acute category 1 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products |

SUBSTANCE NOTES:

POLYETHYLENE

ID: 9002-88-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-05-19 12:17:37

%: 0.7200 - 0.7200 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

| 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:

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-05-19 12:17:38**%: **0.5350 - 0.5810** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

| 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:

PETROLEUM RESINS

ID: 64742-16-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-05-19 12:17:39**%: **0.2130 - 0.2130** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

| 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:

BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE

ID: 25038-32-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-05-19 12:17:39**%: **0.1390 - 0.1390** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

| 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:

POLYURETHANE FOAMS

ID: 9009-54-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-05-19 12:17:38**%: **0.0780 - 0.1040** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Powder coating**

| 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:

CARBON BLACK

ID: 1333-86-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-05-19 12:17:39**

#: **0.0720 - 0.0820** 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 | 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 |
| 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] |

| 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: **2023-05-19 12:17:39**

#: **0.0520 - 0.0650** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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

SUBSTANCE NOTES:

| 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:

2-PROPENOIC ACID, 2-(HYDROXYMETHYL)-2-[[[1- OXO-2-PROPENYL)OXY]METHYL]-1,3-PROPANEDIYL ESTER

ID: 3524-68-3

| | | | | |
|--|---|-----------------|-----------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2023-05-19 12:17:40 | | | |
| %: 0.0260 - 0.0650 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Abrasion resistance |

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---------------------|---|---|
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| 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 |
| 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] |
| 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 | 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 - chronic category 2 |
| REP | GHS - Japan | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2] |
| MAM | GHS - New Zealand | Acute dermal toxicity category 2 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| None found | | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

WHITE MINERAL OIL (PETROLEUM)

ID: 8042-47-5

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2023-05-19 12:17:41 | | |
|--|---------------------------------------|---|-----------------|---|
| %: 0.0410 - 0.0410 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Viscosity modifier |
| 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 of Problematic Chemicals | | |
| | | Some Solvents | | |

SUBSTANCE NOTES:

SILICA GEL, PPTD., CRYST.-FREE

ID: 112926-00-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-05-19 12:17:40**

| | | | | |
|---------------------------|----------------------------|--|-----------------|--------------------------------------|
| %: 0.0130 - 0.0390 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Matting agent |
| 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: | | | | |

ALUMINUM OXIDE

ID: **1344-28-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-05-19 12:17:40**

| | | | | |
|---------------------------|---|---|-----------------|--|
| %: 0.0130 - 0.0260 | GreenScreen: BM-2 | RC: None | NANO: No | SUBSTANCE ROLE: Abrasion resistance |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| 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 | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | Biological and Environmentally Released Materials | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | Children's Products | | |
| SUBSTANCE NOTES: | | | | |

DISILOXANE, 1,3-DIETHENYL-1,1,3,3-TETRAMETHYL-

ID: **2627-95-4**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-05-19 12:17:41**

| | | | | |
|---------------------------|----------------------------|--|-----------------|----------------------------------|
| %: 0.0130 - 0.0260 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Lubricant |
| 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: | | | | |

DIAZENE-1,2-DICARBOXAMIDE (C,C'-AZODI(FORMAMIDE))

ID: **123-77-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-05-19 12:17:42**

#: 0.0230 - 0.0230 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Blowing agent

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---------------------|----------------------|---|
| PHY | GHS - New Zealand | Flammable solids category 1 |
| PHY | GHS - Japan | H225 - Highly flammable liquid and vapour [Flammable solids - Category 1] |
| RES | EU - SVHC List | Equivalent Concern - Candidate List: Respiratory sensitizing |
| RES | EU - SVHC List | Equivalent Concern - Prioritization List: Respiratory sensitizing |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| None found | | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

HYDROXYCYCLOHEXYL PHENYL KETONE

ID: 947-19-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-05-19 12:17:42

#: 0.0080 - 0.0160 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Sealant

| 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:

1-BUTENE, HOMOPOLYMER

ID: 9003-28-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-05-19 12:17:40

#: 0.0120 - 0.0120 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

| 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:

Section 3: Certifications and Compliance

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

| VOC EMISSIONS | RFCI FloorScore | |
|---|-------------------------|------------------------------|
| CERTIFYING PARTY: Third Party | ISSUE DATE: 2022-12-01 | CERTIFIER OR LAB: SCS Global |
| APPLICABLE FACILITIES: All | EXPIRY DATE: 2023-11-30 | Services |
| CERTIFICATE URL: https://www.scsglobalservices.com/certified-clients/certificates/17440 | | |
| CERTIFICATION AND COMPLIANCE NOTES: Certificate #SCS-FS-03808 | | |

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

To preserve manufacturer's full warranty, please refer and adhere to the information contained in the Installation Manual for this product.

MANUFACTURER INFORMATION

MANUFACTURER: HMTX Industries, LLC
ADDRESS: 29 Oakwood Avenue
 Norwalk CT 06850, United States of America
WEBSITE: <https://www.elementalbyaspecta.com>

CONTACT NAME: Arthur Clarke
TITLE: Director of Sustainability & Impact
PHONE: +1 (203) 561-9722
EMAIL: ac@hmtx.global

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

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

GreenScreen (GS)

| | |
|---|--|
| BM-4 Benchmark 4 (prefer-safer chemical) | LT-P1 List Translator Possible 1 (Possible Benchmark-1) |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-1 List Translator 1 (Likely Benchmark-1) |
| BM-2 Benchmark 2 (use but search for safer substitutes) | LT-UNK List Translator Benchmark Unknown |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | NoGS No GreenScreen. |
| BM-U 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, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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.