

HPD UNIQUE IDENTIFIER: 1748307672064
CLASSIFICATION: 12 51 00 Office Furniture
PRODUCT DESCRIPTION: KIN205U1 Kin Armchair, 5 Star Base Upholstered Seat

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| | | | |
|--|--|---|--|
| Inventory Reporting Format | Threshold Level | Residuals/Impurities Evaluation | <i>For all contents above the threshold, the manufacturer has:</i> |
| <input checked="" type="radio"/> Nested Materials Method | <input type="radio"/> 100 ppm | <input type="radio"/> Completed | Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <input type="radio"/> Basic Method | <input checked="" type="radio"/> 1,000 ppm | <input checked="" type="radio"/> Not Completed | <i>Provided weight and role.</i> |
| Threshold Disclosed Per | <input type="radio"/> Per GHS SDS | Explanation(s) provided for Residuals/Impurities? | Screened <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <input type="radio"/> Material | <input type="radio"/> Other | | <i>Provided screening results using HPDC-approved methods.</i> |
| <input checked="" type="radio"/> Product | | <input checked="" type="radio"/> Yes <input type="radio"/> No | Identified <input type="radio"/> Yes <input checked="" type="radio"/> No |
| | | | <i>Provided name and CAS RN or other identifier.</i> |

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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

FRAME [ALUMINIUM NoGS] SHELL POLYPROPYLENE [POLYPROPYLENE LT-UNK] GAS COLUMN & LEVER [IRON, ELEMENTAL (PRIMARY CASRN IS 7439-89-6) LT-P1] END MAGNESIUM LT-UNK] PHY | MAM | SKI | EYE SILICON, ELEMENTAL LT-UNK CARBON LT-UNK SULFUR, PRECIPITATED LT-UNK] SKI | MAM PHOSPHOROUS ACID LT-P1] SKI | EYE] SEAT LINER [BIRCH NoGS] PHENOL-FORMALDEHYDE RESIN LT-P1] CASTORS [NYLON 6 (WITH STAIN RESISTANCE) LT-UNK] SHELL GLASS FIBRE [GLASS FIBERS NoGS] METAL FASTNER [STEEL NoGS] FABRIC [SHEEPS WOOL NoGS] C.I. DISPERSE ORANGE 30 LT-P1] PBT] SEAT PAD [POLYURETHANE FOAMS LT-UNK] FRAME FINISH [UNKNOWN NoGS] TITANIUM DIOXIDE BM-1] CAN | END | MAM PYROMELLITIC ACID 2-PHENYL-2-IMIDAZOLINE SALT (1:1) LT-P1] MUL IRGANOX 242 LT-UNK] SKI | EYE 1,1,1- TRIS(HYDROXYMETHYL)PROPANE BM-2]

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

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

Nanomaterial ... Yes

INVENTORY AND SCREENING NOTES:

The information that follows is provided by the supplier of this material: 'There are no additional ingredients present which, within the current knowledge of the supplier and in concentrations applicable, are classified as hazardous to health or the environment

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: CDPH Standard Method - Not tested

LCA: ISO 14040:2006 Environmental management -- Life cycle assessment

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

| | | |
|-------------------------------------|-------------------------|----------------------------|
| Third Party Verified? | PREPARER: Self-Prepared | SCREENING DATE: 2024-11-07 |
| <input type="radio"/> Yes | VERIFIER: | PUBLISHED DATE: 2024-11-08 |
| <input checked="" type="radio"/> No | VERIFICATION #: | EXPIRY DATE: 2027-11-07 |

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

FRAME

%: 33.2000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered

OTHER MATERIAL NOTES:

ALUMINIUM

ID: 15629-83-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-11-07 9:32:22

%: 100.0000

GreenScreen: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

| | | | |
|---|--|---|-----------------------------------|
| SHELL POLYPROPYLENE | | %: 31.1260 | |
| PRODUCT THRESHOLD: 1000 ppm | | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Polymeric Material |
| RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered | | | |
| OTHER MATERIAL NOTES: | | | |

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|--|----------------------------|-----------------|--|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:53:03 | | |
| %: 100.0000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Structure component | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| None found | | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | | |
| None found | | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: | | | | | |

GAS COLUMN & LEVER

%: 10.2900

| | | |
|---|---|----------------------|
| PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered | | |
| OTHER MATERIAL NOTES: | | |

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|--|---------------------------------------|-----------------|--|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:21:51 | | |
| %: 98.7000 | GreenScreen: LT-P1 | RC: None | NANO: Yes | SUBSTANCE ROLE: Structure component | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| END | TEDX - Potential Endocrine Disruptors | | Potential Endocrine Disruptor | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | | |
| None found | | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: | | | | | |

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|--|----------------------------|-----------------|--|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:22:37 | | |
| %: 0.7000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Structure component | |

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---------------------|---|--|
| PHY | EU - GHS (H-Statements) Annex 6 Table 3-1 | H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1] |
| PHY | EU - GHS (H-Statements) Annex 6 Table 3-1 | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] |
| MAM | GHS - Japan | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |
| PHY | GHS - Australia | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] |
| SKI | GHS - Japan | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2] |
| PHY | GHS - Australia | H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1] |
| EYE | GHS - Japan | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| None found | | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

SILICON, ELEMENTAL

ID: 7440-21-3

| | | | | |
|--|----------------------------|-----------------|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:23:29 | |
| %: 0.3500 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| None found | | | No warnings found on HPD Priority Hazard Lists | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| None found | | | No listings found on Additional Hazard Lists | |
| SUBSTANCE NOTES: | | | | |

CARBON

ID: 7440-44-0

| | | | |
|--|----------------------------|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-11-07 9:23:59 | |
| %: 0.1400 | GreenScreen: LT-UNK | RC: None | NANO: No SUBSTANCE ROLE: Structure component |

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---------------------|---------------------------------------|---|
| None found | | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List Antimicrobials |
| SUBSTANCE NOTES: | | |

SULFUR, PRECIPITATED

ID: 7704-34-9

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|--|---|-----------------|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:25:20 | |
| %: 0.0500 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| SKI | EU - GHS (H-Statements) Annex 6 Table 3-1 | | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] | |
| SKI | GHS - New Zealand | | Skin irritation category 2 | |
| SKI | GHS - Australia | | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] | |
| MAM | GHS - Japan | | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | | GSPI - Six Classes Precautionary List | |
| | | | Antimicrobials | |
| SUBSTANCE NOTES: | | | | |

PHOSPHOROUS ACID

ID: 10294-56-1

| | | | | |
|---|---|--|----------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-11-07 9:24:38 | | |
| %: 0.0500 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| SKI | EU - GHS (H-Statements) Annex 6 Table 3-1 | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] | | |
| SKI | GHS - New Zealand | Skin corrosion category 1C | | |
| EYE | GHS - New Zealand | Serious eye damage category 1 | | |
| SKI | GHS - Australia | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] | | |

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

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|---|--|---|-------------------------------|
| SEAT LINER | | %: 8.2500 | |
| PRODUCT THRESHOLD: 1000 ppm | | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Wood or Lumber |
| RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered | | | |
| OTHER MATERIAL NOTES: | | | |

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|--|--------------------------|-----------------|--|--|---------------------------|
| BIRCH | | | | | ID: Not registered |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:39:38 | | |
| %: 90.4000 | GreenScreen: NoGS | RC: None | NANO: No | SUBSTANCE ROLE: Structure component | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| None found | | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | | |
| None found | | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: | | | | | |

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|--|--|-----------------|---|---------------------------------|
| PHENOL-FORMALDEHYDE RESIN | | | | ID: 9003-35-4 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:40:22 | |
| %: 6.4000 | GreenScreen: LT-P1 | 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 | |
| RESTRICTED LIST | International Living Future Institute (ILFI) | | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024 | |
| | | | Red List substances to avoid in Living Building Challenge V4.0 projects | |
| SUBSTANCE NOTES: | | | | |

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|-----------------------------|--|---|-----------------------------------|
| CASTORS | | %: 7.7800 | |
| PRODUCT THRESHOLD: 1000 ppm | | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Polymeric Material |

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered

OTHER MATERIAL NOTES:

NYLON 6 (WITH STAIN RESISTANCE)

ID: 25038-54-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-11-07 9:19:32

%: 100.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

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

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

SUBSTANCE NOTES:

SHELL GLASS FIBRE

%: 7.7800

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

MATERIAL TYPE: Glass

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered

OTHER MATERIAL NOTES:

GLASS FIBERS

ID: 308066-84-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-11-07 9:53:33

%: 100.0000

GreenScreen: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

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

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

SUBSTANCE NOTES:

METAL FASTNER

%: 1.7800

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered

OTHER MATERIAL NOTES:

| | | | | | |
|--|--------------------------|-----------------|--|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:21:00 | | |
| %: 100.0000 | GreenScreen: NoGS | RC: None | NANO: No | SUBSTANCE ROLE: Structure component | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| None found | | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | | |
| None found | | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: | | | | | |

FABRIC

%: 1.3800

| | | |
|---|---|---|
| PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Other: Wool and synthetic Fabric |
| RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered | | |
| OTHER MATERIAL NOTES: | | |

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|--|--------------------------|-----------------|--|--|--|
| SHEEPS WOOL | | | | ID: Not registered | |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:41:04 | | |
| %: 95.0000 | GreenScreen: NoGS | RC: None | NANO: No | SUBSTANCE ROLE: Structure component | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| None found | | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | | |
| None found | | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: | | | | | |

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|---|---|----------|--|---------------------|---------------|
| C.I. DISPERSE ORANGE 30 | | | | | ID: 5261-31-4 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:41:41 | | |
| %: 5.0000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Dye | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| PBT | EC - CEPA DSL | | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms) | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | | Core Restrictions | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 | | |
| | | | All Products | | |
| SUBSTANCE NOTES: | | | | | |

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|---|---|-----------------------------------|
| SEAT PAD | | %: 1.3300 |
| PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Polymeric Material |
| RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered | | |
| OTHER MATERIAL NOTES: | | |

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|--|----------------------------|-----------------|--|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:34:15 | | |
| %: 100.0000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Structure component | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| None found | | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | | |
| None found | | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: | | | | | |

FRAME FINISH

%: 0.9900

| | | |
|---|---|-----------------------------------|
| PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Polymeric Material |
| RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities have not been considered | | |
| OTHER MATERIAL NOTES: | | |

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|---|--------------------------|-----------------|--|---------------------------------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:49:32 | | |
| %: 63.8000 | GreenScreen: NoGS | 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: The information that follows is provided by the supplier of this material: 'There are no additional ingredients present which, within the current knowledge of the supplier and in concentrations applicable, are classified as hazardous to health or the environment | | | | | |

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|--|--------------------------|-----------------|--|---------------------------------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:50:31 | | |
| %: 25.0000 | GreenScreen: BM-1 | RC: None | NANO: No | SUBSTANCE ROLE: Powder coating | |

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---------------------|--|---|
| CAN | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CAN | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route |
| CAN | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources |
| CAN | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans |
| CAN | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| CAN | GHS - Japan | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| MAM | GHS - Japan | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Children's Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Formulated Consumer Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Cosmetics & Personal Care Products |
| POSITIVE LIST | US Environmental Protection Agency (US EPA) | US EPA - DfE Safer Chemicals Ingredients list (SCIL) |
| | | Colorants - Green Circle (Verified Low Concern) |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 |
| | | Cosmetics and Personal Care Products |
| SUBSTANCE NOTES: | | |

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|---|--------------------|----------|---|--------------------------------|----------------|
| PYROMELLITIC ACID 2-PHENYL-2-IMIDAZOLINE SALT (1:1) | | | | | ID: 54553-90-1 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:51:10 | | |
| %: 10.0000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Powder coating | |

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---------------------|---|--|
| MUL | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| None found | | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES: | | |

IRGANOX 242

ID: 26741-53-7

| | | | | |
|--|----------------------------|-----------------|--|---------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:51:42 | |
| %: 1.0000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Powder coating |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| SKI | GHS - New Zealand | | Skin irritation category 2 | |
| EYE | GHS - New Zealand | | Eye irritation category 2 | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| None found | | | No listings found on Additional Hazard Lists | |
| SUBSTANCE NOTES: | | | | |

1,1,1-TRIS(HYDROXYMETHYL)PROPANE

ID: 77-99-6

| | | | | |
|--|---------------------------------------|--|--|---------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-11-07 9:52:22 | |
| %: 0.2000 | GreenScreen: BM-2 | 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 | | |
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List | | |
| | | Some Solvents | | |
| 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 | CDPH Standard Method - Not tested | |
|-------------------------------------|-----------------------------------|------------------------|
| CERTIFYING PARTY: Self-declared | ISSUE DATE: 2024-11-08 00:00:00 | CERTIFIER OR LAB: None |
| APPLICABLE FACILITIES: All | EXPIRY DATE: | |
| CERTIFICATE URL: | | |
| CERTIFICATION AND COMPLIANCE NOTES: | | |

| LCA | ISO 14040:2006 Environmental management -- Life cycle assessment | |
|-------------------------------------|--|------------------------|
| CERTIFYING PARTY: Self-declared | ISSUE DATE: 2024-11-08 00:00:00 | CERTIFIER OR LAB: None |
| APPLICABLE FACILITIES: All | EXPIRY DATE: | |
| CERTIFICATE URL: | | |
| CERTIFICATION AND COMPLIANCE NOTES: | | |

Section 4: Accessories

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

No accessories are required for this product.

Section 5: General Notes

MANUFACTURER INFORMATION

MANUFACTURER: **The Senator Group**
ADDRESS: **Sykeside Drive**
Altham Industrial Estate
Altham, Lancs BB5 5YE
COUNTRY: **UK**

WEBSITE: **www.thesenatorgroup.com**
CONTACT NAME: **Kirk Marsden**
TITLE: **Head of Product Development and Engineering**
PHONE: **01282 725000**
EMAIL: **kmarsden@thesenatorgroup.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

| | | |
|---------------------------------------|---|--|
| 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

