

HPD UNIQUE IDENTIFIER: 1753588736

CLASSIFICATION: 14 20 00 Elevators

PRODUCT DESCRIPTION: TK Elevator’s endura Elevator is a smooth, quiet and efficient workhorse that exceeds the demands of today’s low-rise buildings. Assessed materials comprise the whole TKE endura Elevator system, covering the endura Elevator line within the North American market. This includes all materials incorporated into the cab, machines, doors and entrances, hoistway components and rails, electronics, etc. No special finishes were considered. Manufacturing occurs in Middleton, TN and is assembled on-site with no accessory materials needed.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

**PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**  
**ENDURA MRL [ IRON LT-P1 | END COPPER LT-P1 | MUL | AQU | MAM TRIGLYCERIDES (TECHNICALLY UNTREATED OR HYDROGENATED; FATTY ACID ALKYL CHAIN SATURATED AND UNSATURATED, WITH EVEN- NUMBERED, LINEAR C-CHAIN, NUMBER OF C-ATOMS >=8) NoGS ALUMINUM BM-1 | END | PHY | MAM GLASS, OXIDE, CHEMICALS LT-UNK MANGANESE LT-P1 | END | MUL | REP | MAM | AQU NICKEL (METALLIC) LT-1 | CAN | RES | MUL | MAM | SKI | AQU CHROMIUM, METALLIC LT-P1 | END | SKI | MAM | REP | RES PROPRIETARY INGREDIENTS NoGS MOLYBDENUM LT-UNK | MAM | SKI | REP SILICON LT-UNK ZINC LT-P1 | MUL ACRYLONITRILE BUTADIENE STYRENE LT-UNK CARBONIC ACID, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS[PHENOL] LT-UNK POLYPROPYLENE LT-UNK POLYAMIDE FIBERS NoGS FATTY ACIDS, CASTOR-OIL, CAUSTIC-OXIDIZED, DISTN. RESIDUES, ESTERS WITH AMMONIA-ETHYLENE OXIDE REACTION PRODUCT DISTN. RESIDUES, COMPDS. WITH DIETHYLENETRIAMINE AND TRIETHYLENETETRAMINE NoGS DIIRON TRIOXIDE BM-1 | CAN | MAM POLYETHYLENE LT-UNK ]**

Number of Greenscreen BM-4/BM3 contents ... 0  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1, LT-1  
Nanomaterial ... No  
**INVENTORY AND SCREENING NOTES:**

Data is obtained via Bill of Material (BOM) from the Life Cycle Assessment / EPD. Weight rating and % of each material Product threshold of 1000ppm.

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: Inherently non-emitting source per LEED

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: 2023-12-16

☐ Yes  
☒ No

VERIFIER:  
VERIFICATION #:

PUBLISHED DATE: 2023-12-16  
EXPIRY DATE: 2026-12-16

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](http://www.hpd-collaborative.org/hpd-2-3-standard)

ENDURA MRL

PRODUCT THRESHOLD: 1000 ppm                      RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: The majority of the elevator, by weight, is composed of steel and there are no hazard warning related to steel, so, residuals and impurities were not considered.

OTHER PRODUCT NOTES:

IRON ID: 7439-89-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library                      HAZARD SCREENING DATE: 2023-12-16 7:36:22

%: 69.4460 - 69.4460                      GreenScreen: LT-P1                      RC: PostC                      NANO: No                      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: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.  
The recycling ratio from Carbon Steel is around 93% (<https://www.aisc.org/why-steel/sustainability/>)

COPPER ID: 7440-50-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library                      HAZARD SCREENING DATE: 2023-12-16 7:36:22

%: 8.0340 - 8.0340                      GreenScreen: LT-P1                      RC: PostC                      NANO: No                      SUBSTANCE ROLE: Structure component

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|----------------------|----------|
|-------------|----------------------|----------|

|     |                                             |                            |
|-----|---------------------------------------------|----------------------------|
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
|-----|---------------------------------------------|----------------------------|

|     |                                           |                                                                                                                      |
|-----|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 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 | GHS - Japan | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |
|-----|-------------|---------------------------------------------------------------------------------------------------------|

|     |             |                                                                                                                  |
|-----|-------------|------------------------------------------------------------------------------------------------------------------|
| 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     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                           |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                                          |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>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<br><br>Children's Products                               |

**SUBSTANCE NOTES:** While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.  
The recycling ratio from Carbon Steel is around 93% (<https://www.aisc.org/why-steel/sustainability/>)

**TRIGLYCERIDES (TECHNICALLY UNTREATED OR HYDROGENATED; FATTY ACID ALKYL CHAIN SATURATED AND UNSATURATED, WITH EVEN- NUMBERED, LINEAR C-CHAIN, NUMBER OF C-ATOMS >=8)**

ID: **228404-57-7**

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2023-12-16 7:36:23</b> |                                  |
|------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|----------------------------------|
| %: <b>7.5230 - 7.5230</b>                                        | GreenScreen: <b>NoGS</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Lubricant</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     |                 | WARNINGS                                         |                                  |
| None found                                                       |                          |                 | No warnings found on HPD Priority Hazard Lists   |                                  |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE     |                 | NOTIFICATION                                     |                                  |
| None found                                                       |                          |                 | No listings found on Additional Hazard Lists     |                                  |

**SUBSTANCE NOTES:** While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.

**ALUMINUM**

ID: **7429-90-5**

|                                                                  |                          |                  |                                                  |                                            |
|------------------------------------------------------------------|--------------------------|------------------|--------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                  | HAZARD SCREENING DATE: <b>2023-12-16 7:36:23</b> |                                            |
| %: <b>2.0860 - 2.0860</b>                                        | GreenScreen: <b>BM-1</b> | RC: <b>PostC</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Structure component</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                  |
|---------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                                                             |
| 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                                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| PHY                 | GHS - New Zealand                                       | Flammable solids category 1                                                                                                                               |
| MAM                 | GHS - Japan                                             | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| PHY                 | GHS - Japan                                             | H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]             |
| PHY                 | GHS - Malaysia                                          | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |
| PHY                 | GHS - Australia                                         | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |
| PHY                 | GHS - New Zealand                                       | Pyrophoric solids 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<br><br>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<br><br>Children's Products                                    |

SUBSTANCE NOTES: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.

The recycling ratio to Aluminum is 80% (<https://www.aluminum.org/Recycling>)

GLASS, OXIDE, CHEMICALS

ID: 65997-17-3

| HAZARD DATA SOURCE:  Pharos Chemical and Materials Library |                      |                                                | HAZARD SCREENING DATE:  2023-12-16 7:36:23 |                                     |
|------------------------------------------------------------|----------------------|------------------------------------------------|--------------------------------------------|-------------------------------------|
| %: 2.0750 - 2.0750                                         | 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                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXEMPT                                                                                                                                                                 | European Union / European Commission (EU EC)             | EU - REACH Exemptions<br><br>Exempted from REACH Annex V listing due to intrinsic safety                                                                  |
| SUBSTANCE NOTES: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects. |                                                          |                                                                                                                                                           |
| MANGANESE                                                                                                                                                              |                                                          | ID: 7439-96-5                                                                                                                                             |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                                                                              |                                                          | HAZARD SCREENING DATE: 2023-12-16 7:36:23                                                                                                                 |
| %: 1.9020 - 1.9020                                                                                                                                                     | GreenScreen: LT-P1                                       | RC: PostC                                                                                                                                                 |
|                                                                                                                                                                        | NANO: No                                                 | SUBSTANCE ROLE: Structure component                                                                                                                       |
| HAZARD TYPE                                                                                                                                                            | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                                  |
| END                                                                                                                                                                    | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor                                                                                                                             |
| MUL                                                                                                                                                                    | German FEA - Substances Hazardous to Waters              | Class 2 - Hazard to Waters                                                                                                                                |
| REP                                                                                                                                                                    | GHS - Japan                                              | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                                                                     |
| MAM                                                                                                                                                                    | GHS - Japan                                              | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM                                                                                                                                                                    | GHS - Australia                                          | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| AQU                                                                                                                                                                    | GHS - New Zealand                                        | Hazardous to the aquatic environment - chronic category 3                                                                                                 |
| AQU                                                                                                                                                                    | GHS - Japan                                              | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                                                                  |
| AQU                                                                                                                                                                    | GHS - Japan                                              | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                      |
| 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<br><br>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<br><br>Children's Products                                    |

SUBSTANCE NOTES: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.  
The recycling ratio from Carbon Steel is around 93% (<https://www.aisc.org/why-steel/sustainability/>)

|                                                           |                   |           |                                           |                                     |               |
|-----------------------------------------------------------|-------------------|-----------|-------------------------------------------|-------------------------------------|---------------|
| NICKEL (METALLIC)                                         |                   |           |                                           |                                     | ID: 7440-02-0 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   |           | HAZARD SCREENING DATE: 2023-12-16 7:36:23 |                                     |               |
| %: 1.5830 - 1.5830                                        | GreenScreen: LT-1 | RC: PostC | NANO: No                                  | SUBSTANCE ROLE: Structure component |               |

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |
|-------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN         | US CDC - Occupational Carcinogens           | Occupational Carcinogen                                                                                                                                   |
| CAN         | MAK                                         | Carcinogen Group 1 - Substances that cause cancer in man                                                                                                  |
| 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                                                                                                                            |
| CAN         | IARC                                        | Group 2b - Possibly carcinogenic to humans                                                                                                                |
| CAN         | US NIH - Report on Carcinogens              | Reasonably Anticipated to be Human Carcinogen                                                                                                             |
| RES         | MAK                                         | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                                                |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| 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]                   |
| 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] |
| MAM         | GHS - Australia                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| MAM         | GHS - Japan                                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| CAN         | EU - Annex VI CMRs                          | Carcinogen Category 2 - Suspected human Carcinogen                                                                                                        |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1                                                                                                                             |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                                                                   |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1                                                                                                 |
| CAN         | GHS - Australia                             | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |

| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                                                                                           | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                               | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Certain Metals                                                                                          |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                               | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>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<br><br>Children's Products                               |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                               | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Footwear, Apparel & Jewelry Products              |
| <p><b>SUBSTANCE NOTES:</b> While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.</p> <p>The recycling ratio from Carbon Steel is around 93% (<a href="https://www.aisc.org/why-steel/sustainability/">https://www.aisc.org/why-steel/sustainability/</a>)</p> |                                                          |                                                                                                                                                      |

## CHROMIUM, METALLIC

ID: 7440-47-3

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                          |                                                                                                                                                      | HAZARD SCREENING DATE: <b>2023-12-16 7:36:24</b> |                                            |
|------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------|
| %: <b>1.5390 - 1.5390</b>                                        | GreenScreen: <b>LT-P1</b>                                | RC: <b>PostC</b>                                                                                                                                     | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                             |                                                  |                                            |
| END                                                              | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor                                                                                                                        |                                                  |                                            |
| SKI                                                              | MAK                                                      | Sensitizing Substance Sh - Danger of skin sensitization                                                                                              |                                                  |                                            |
| MAM                                                              | GHS - Japan                                              | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                              |                                                  |                                            |
| REP                                                              | GHS - New Zealand                                        | Reproductive toxicity category 2                                                                                                                     |                                                  |                                            |
| RES                                                              | GHS - Japan                                              | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A]                           |                                                  |                                            |
| 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<br><br>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<br><br>Children's Products                               |                                                  |                                            |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products                |                                                  |                                            |

SUBSTANCE NOTES: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.  
The recycling ratio from Carbon Steel is around 93% (<https://www.aisc.org/why-steel/sustainability/>)

PROPRIETARY INGREDIENTS

ID: Undisclosed

|                                                              |                      |                                                |                                            |                           |
|--------------------------------------------------------------|----------------------|------------------------------------------------|--------------------------------------------|---------------------------|
| HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library |                      |                                                | HAZARD SCREENING DATE: 2023-12-15 15:12:20 |                           |
| %: 1.3280 - 1.3280                                           | GreenScreen: NoGS    | RC: PostC                                      | 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: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.  
This is a proprietary material that is part from the Environmax Biodegradable Oil used in this product

MOLYBDENUM

ID: 7439-98-7

|                                                           |                      |                                                                                                         |                                           |                                     |
|-----------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                                                                         | HAZARD SCREENING DATE: 2023-12-16 7:36:24 |                                     |
| %: 1.0570 - 1.0570                                        | GreenScreen: LT-UNK  | RC: PostC                                                                                               | NANO: No                                  | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                                                                                |                                           |                                     |
| MAM                                                       | GHS - Japan          | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |                                           |                                     |
| SKI                                                       | GHS - Japan          | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                |                                           |                                     |
| REP                                                       | GHS - New Zealand    | Reproductive toxicity category 2                                                                        |                                           |                                     |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE | NOTIFICATION                                                                                            |                                           |                                     |
| None found                                                |                      | No listings found on Additional Hazard Lists                                                            |                                           |                                     |

SUBSTANCE NOTES: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.  
The recycling ratio from Carbon Steel is around 93% (<https://www.aisc.org/why-steel/sustainability/>)

SILICON

ID: 7440-21-3

|                                                           |                     |           |                                           |                                     |
|-----------------------------------------------------------|---------------------|-----------|-------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     |           | HAZARD SCREENING DATE: 2023-12-16 7:36:24 |                                     |
| %: 0.5990 - 0.5990                                        | GreenScreen: LT-UNK | RC: PostC | 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: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.  
The recycling ratio from Carbon Steel is around 93% (<https://www.aisc.org/why-steel/sustainability/>)

## ZINC ID: 7440-66-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2023-12-16 7:36:24

%: **0.4970 - 0.4970** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                             |
|---------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUL                 | German FEA - Substances Hazardous to Waters              | Class 2 - Hazard to Waters                                                                                                                           |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                         |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                                          |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>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<br><br>Children's Products                               |

SUBSTANCE NOTES: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.

## ACRYLONITRILE BUTADIENE STYRENE ID: 9003-56-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2023-12-16 7:36:25

%: **0.3730 - 0.3730** 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: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.

CARBONIC ACID, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS[PHENOL]

ID: 25037-45-0

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2023-12-16 7:36:25      |          |                                     |
|-----------------------------------------------------------|----------------------|------------------------------------------------|----------|-------------------------------------|
| %: 0.3370 - 0.3370                                        | 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: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.

POLYPROPYLENE

ID: 9003-07-0

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2023-12-16 7:36:25      |               |                                     |
|-----------------------------------------------------------|----------------------|------------------------------------------------|---------------|-------------------------------------|
| %: 0.2690 - 0.2690                                        | GreenScreen: LT-UNK  | RC: None                                       | NANO: Unknown | 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: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.

POLYAMIDE FIBERS

ID: 63428-84-2

|                                                           |                   |                                           |          |                                     |
|-----------------------------------------------------------|-------------------|-------------------------------------------|----------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2023-12-16 7:36:25 |          |                                     |
| %: 0.2630 - 0.2630                                        | 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: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects. |                      |                                                |

FATTY ACIDS, CASTOR-OIL, CAUSTIC-OXIDIZED, DISTN. RESIDUES, ESTERS WITH AMMONIA-ETHYLENE OXIDE REACTION PRODUCT DISTN. RESIDUES, COMPS. WITH DIETHYLENETRIAMINE AND TRIETHYLENETETRAMINE
ID: 113669-97-9

|                                                                                                                                                                        |                          |                                                  |                                                |                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------|------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                       |                          | HAZARD SCREENING DATE: <b>2023-12-16 7:36:25</b> |                                                |                                            |
| %: <b>0.2350 - 0.2350</b>                                                                                                                                              | GreenScreen: <b>NoGS</b> | RC: <b>None</b>                                  | NANO: <b>No</b>                                | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                                                                                                                            | LIST NAME AND SOURCE     |                                                  | WARNINGS                                       |                                            |
| None found                                                                                                                                                             |                          |                                                  | No warnings found on HPD Priority Hazard Lists |                                            |
| ADDITIONAL LISTINGS                                                                                                                                                    | LIST NAME AND SOURCE     |                                                  | NOTIFICATION                                   |                                            |
| None found                                                                                                                                                             |                          |                                                  | No listings found on Additional Hazard Lists   |                                            |
| SUBSTANCE NOTES: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects. |                          |                                                  |                                                |                                            |

DIIRON TRIOXIDE
ID: 1309-37-1

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2023-12-16 7:36:25                                                                                                                 |          |                                     |
|-----------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------|
| %: 0.1510 - 0.1510                                        | GreenScreen: BM-1    | RC: None                                                                                                                                                  | NANO: No | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                                                                                                                                  |          |                                     |
| CAN                                                       | MAK                  | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |          |                                     |
| MAM                                                       | GHS - Japan          | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |          |                                     |
| 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                                                                                                                                              |          |                                     |
| None found                                                |                      | No listings found on Additional Hazard Lists                                                                                                              |          |                                     |

SUBSTANCE NOTES: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.

POLYETHYLENE

ID: 9002-88-4

|                                                                  |                            |                 |                                                  |                                            |
|------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2023-12-16 7:36:26</b> |                                            |
| %: <b>0.1390 - 0.1390</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       |                 | WARNINGS                                         |                                            |
| None found                                                       |                            |                 | No warnings found on HPD Priority Hazard Lists   |                                            |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE       |                 | NOTIFICATION                                     |                                            |
| None found                                                       |                            |                 | No listings found on Additional Hazard Lists     |                                            |

SUBSTANCE NOTES: While the subcomponents of the elevator contain hazards, combined, and utilized in this function produce no negative environmental or health effects.

### 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                       | Inherently non-emitting source per LEED |                        |
|-------------------------------------|-----------------------------------------|------------------------|
| CERTIFYING PARTY: Self-declared     | ISSUE DATE: 2023-12-15                  | 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

Although elevator sub-components contain minimal hazards, combined and used in this role do not produce negative environmental or health effects.

## MANUFACTURER INFORMATION

MANUFACTURER: TK Elevator  
 ADDRESS: Circle 75 Parkway Southeast  
 Suite 500  
 Atlanta, Georgia 30339  
 COUNTRY: United States  
 LATITUDE: -84.4691000  
 LONGITUDE: 33.8866000

WEBSITE: <https://www.tkelevator.com/us-en/>  
 CONTACT NAME: Daniel Bertschinger  
 TITLE: Product Sustainability Lead  
 PHONE: +14045740177  
 EMAIL: [daniel.bertschinger@tkelevator.com](mailto:daniel.bertschinger@tkelevator.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-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |                                                                |

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

### Recycled Types

**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.*

