

HPD UNIQUE IDENTIFIER: 30012

CLASSIFICATION: 14 20 00 Elevators

PRODUCT DESCRIPTION: Elevators also called as lifts are permanently serving buildings and constructions designed for the transportation of persons, goods, and materials in a vertical manner. Elevator systems consist of subsystems and components. The HPD includes the content inventory above the threshold limit specified for the whole product as delivered to the job site. The declaration covers the standard KONE MonoSpace®300 DX elevators range installed in Europe, parts of which are manufactured at KONE owned operated sites or purchased from KONE suppliers.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY  
GREENSCREEN SCORE | HAZARD TYPE  
MONOSPACE 300 DX [ STEEL NoGS IRON OXIDE LT-UNK ]  
STAINLESS STEEL NoGS SLAGS, CAST IRON-MANUFACTURING -  
SUBSTANCE FORMED DURING THE PRODUCTION OF CAST IRON.  
CONSISTS PRIMARILY OF FUSED SILICATES OF ALUMINUM,  
CALCIUM AND IRON. NoGS PORTLAND CEMENT LT-P1 | CAN | END |  
| MAM ZINC, ELEMENTAL LT-P1 | END | MUL | PHY | AQU | COPPER  
LT-P1 | GEN | EYE | | MAM | SKI | AQU ALUMINIUM NoGS POLYVINYL  
CHLORIDE (PRIMARY CASRN IS 9002-86-2) LT-P1 | | MAM SOLID /  
PLATE GLASS (USE SODA-LIME SILICATE GLASS [2446523-50-6]  
INSTEAD) LT-UNK | POLYURETHANE FOAMS LT-UNK POLYAMIDE  
FIBERS NoGS LIMESTONE BM-3dg KAOLIN LT-UNK | CAN | LEAD  
BM-1 | END | PBT | REP | MUL | CAN | DEV | GEN | | MAM | AQU | SKI  
POLYPROPYLENE LT-P1 | ]

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

All substances used in the product were identified through their CAS number in the builder tool.

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 V1.2 (Section 01350/CHPS) - Residential scenario

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: 2022-09-20 |
| <input type="radio"/> Yes           | VERIFIER:               | PUBLISHED DATE: 2022-10-03 |
| <input checked="" type="radio"/> No | VERIFICATION #:         | EXPIRY DATE: 2025-09-20    |

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)

MONOSPACE 300 DX

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

RESIDUALS AND IMPURITIES NOTES: As no hazard warnings were found for the steel, which makes up the major part of the elevator, no residuals and impurities were considered for the product.

OTHER PRODUCT NOTES: None

STEEL ID: 12597-69-2

|                                                                                                              |                        |                                           |                                                |                                     |
|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------|------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                    |                        | HAZARD SCREENING DATE: 2022-09-20 9:58:08 |                                                |                                     |
| %: 51.0000 - 56.0000                                                                                         | GreenScreen: NoGS      | RC: Both                                  | NANO: No                                       | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE                                                                                                  | AGENCY AND LIST TITLES |                                           | WARNINGS                                       |                                     |
| None found                                                                                                   |                        |                                           | No warnings found on HPD Priority Hazard Lists |                                     |
| ADDITIONAL LISTINGS                                                                                          | AGENCY                 |                                           | NOTIFICATION                                   |                                     |
| None found                                                                                                   |                        |                                           | No listings found on Additional Hazard Lists   |                                     |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers. |                        |                                           |                                                |                                     |

IRON OXIDE ID: 1332-37-2

|                                                                                                              |                        |                                           |                                              |                        |
|--------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------|----------------------------------------------|------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                    |                        | HAZARD SCREENING DATE: 2022-09-20 9:59:21 |                                              |                        |
| %: 25.0000 - 28.0000                                                                                         | GreenScreen: LT-UNK    | RC: UNK                                   | NANO: No                                     | SUBSTANCE ROLE: Binder |
| HAZARD TYPE                                                                                                  | AGENCY AND LIST TITLES |                                           | WARNINGS                                     |                        |
|                                                                                                              | EC - CEPA DSL          |                                           | Persistent                                   |                        |
| ADDITIONAL LISTINGS                                                                                          | AGENCY                 |                                           | NOTIFICATION                                 |                        |
| None found                                                                                                   |                        |                                           | No listings found on Additional Hazard Lists |                        |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers. |                        |                                           |                                              |                        |

STAINLESS STEEL ID: 12597-68-1

|                                                           |                   |                                            |          |                                     |
|-----------------------------------------------------------|-------------------|--------------------------------------------|----------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2022-09-20 10:00:40 |          |                                     |
| %: 11.0000 - 12.0000                                      | GreenScreen: NoGS | RC: Both                                   | NANO: No | SUBSTANCE ROLE: Structure component |

| HAZARD TYPE                                                                                                 | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------|
| None found                                                                                                  |                        | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS                                                                                         | AGENCY                 | NOTIFICATION                                   |
| None found                                                                                                  |                        | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers |                        |                                                |

SLAGS, CAST IRON-MANUFACTURING - SUBSTANCE FORMED DURING THE PRODUCTION OF CAST IRON. CONSISTS PRIMARILY OF FUSED SILICATES OF ALUMINUM, CALCIUM AND IRON.

ID: 94551-83-4

|                                                                                                              |                          |                                                   |                                                |                                            |
|--------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------|------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                             |                          | HAZARD SCREENING DATE: <b>2022-09-20 10:01:43</b> |                                                |                                            |
| %: <b>5.4000 - 6.0000</b>                                                                                    | GreenScreen: <b>NoGS</b> | RC: <b>UNK</b>                                    | NANO: <b>No</b>                                | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                                                                  | AGENCY AND LIST TITLES   |                                                   | WARNINGS                                       |                                            |
| None found                                                                                                   |                          |                                                   | No warnings found on HPD Priority Hazard Lists |                                            |
| ADDITIONAL LISTINGS                                                                                          | AGENCY                   |                                                   | NOTIFICATION                                   |                                            |
| None found                                                                                                   |                          |                                                   | No listings found on Additional Hazard Lists   |                                            |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers. |                          |                                                   |                                                |                                            |

PORTLAND CEMENT

ID: 65997-15-1

|                                                                                                             |                                       |                                                   |                                                                                                                                                           |                               |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                            |                                       | HAZARD SCREENING DATE: <b>2022-09-20 10:02:57</b> |                                                                                                                                                           |                               |
| %: <b>2.8000 - 3.0000</b>                                                                                   | GreenScreen: <b>LT-P1</b>             | RC: <b>UNK</b>                                    | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Binder</b> |
| HAZARD TYPE                                                                                                 | AGENCY AND LIST TITLES                |                                                   | WARNINGS                                                                                                                                                  |                               |
| CAN                                                                                                         | MAK                                   |                                                   | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |                               |
| END                                                                                                         | TEDX - Potential Endocrine Disruptors |                                                   | Potential Endocrine Disruptor                                                                                                                             |                               |
|                                                                                                             | EC - CEPA DSL                         |                                                   | Persistent                                                                                                                                                |                               |
| 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                                                                                         | AGENCY                                |                                                   | NOTIFICATION                                                                                                                                              |                               |
| None found                                                                                                  |                                       |                                                   | No listings found on Additional Hazard Lists                                                                                                              |                               |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers |                                       |                                                   |                                                                                                                                                           |                               |

ZINC, ELEMENTAL

ID: Undisclosed

|                                                           |  |                                            |  |  |
|-----------------------------------------------------------|--|--------------------------------------------|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |  | HAZARD SCREENING DATE: 2022-09-20 10:03:54 |  |  |
|-----------------------------------------------------------|--|--------------------------------------------|--|--|

| HAZARD TYPE | AGENCY AND LIST TITLES                      | WARNINGS                                                                                                                                                                       |
|-------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                                                                                                  |
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                                                                     |
| 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] |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                                                  |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                                      |
| PHY         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                                       |
|             | EC - CEPA DSL                               | Persistent                                                                                                                                                                     |
| 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                                                                                                                                                   |
| PHY         | GHS - New Zealand                           | Self-heating substances and mixtures category 1                                                                                                                                |
| PHY         | GHS - New Zealand                           | Substances and mixtures which, in contact with water, emit flammable gases category 1                                                                                          |
| 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] |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                                                                                        |
| AQU         | GHS - Japan                                 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                                                  |
| AQU         | GHS - Japan                                 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                                      |
| AQU         | GHS - Australia                             | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                                      |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1                                                                                                                      |

| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                                                                                                                                          | AGENCY                                                   | 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                               |
| <p>SUBSTANCE NOTES: Substance range is provided to safeguard the proprietary information of KONE and its suppliers. Since zinc is applied as the coating in some of the steels, it is inert in the final product and highly unlikely to leach from the steel to the environment. The risk of direct exposure to zinc is negligible and the hazards can be considered irrelevant to the downstream users.</p> |                                                          |                                                                                                                                                      |

COPPER

ID: 7440-50-8

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           | HAZARD SCREENING DATE: <b>2022-09-20 10:04:44</b>                                                                |                 |                                             |
|------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------|
| %: <b>0.9400 - 1.0000</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>UNK</b>                                                                                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Electronic component</b> |
| HAZARD TYPE                                                      | AGENCY AND LIST TITLES    | WARNINGS                                                                                                         |                 |                                             |
| GEN                                                              | GHS - New Zealand         | Germ cell mutagenicity category 1                                                                                |                 |                                             |
| EYE                                                              | GHS - New Zealand         | Eye irritation category 2                                                                                        |                 |                                             |
|                                                                  | EC - CEPA DSL             | Persistent                                                                                                       |                 |                                             |
| MAM                                                              | GHS - Japan               | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |                 |                                             |
| SKI                                                              | GHS - New Zealand         | Skin sensitisation category 1                                                                                    |                 |                                             |
| SKI                                                              | GHS - Japan               | H317 - May cause an allergic skin reaction [Skin Sensitization - Category 1A]                                    |                 |                                             |
| MAM                                                              | GHS - New Zealand         | Acute inhalation toxicity category 2                                                                             |                 |                                             |
| MAM                                                              | GHS - New Zealand         | Acute oral toxicity category 2                                                                                   |                 |                                             |
| AQU                                                              | GHS - New Zealand         | Hazardous to the aquatic environment - acute category 1                                                          |                 |                                             |
| AQU                                                              | GHS - New Zealand         | Hazardous to the aquatic environment - chronic category 2                                                        |                 |                                             |

| ADDITIONAL LISTINGS                                                                                         | AGENCY                                                   | NOTIFICATION                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                             | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                        |
| RESTRICTED LIST                                                                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<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                                                                                             | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals<br><br>Watch List Substances Considered for Inclusion in the Living Building Challenge Red List |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers |                                                          |                                                                                                                                                                   |

## ALUMINIUM

ID: 15629-83-1

|                                                                                                             |                        |                                            |                                                |                                     |
|-------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------|------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                   |                        | HAZARD SCREENING DATE: 2022-09-20 10:05:57 |                                                |                                     |
| ?: 0.9000 - 1.0000                                                                                          | GreenScreen: NoGS      | RC: UNK                                    | NANO: No                                       | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE                                                                                                 | AGENCY AND LIST TITLES |                                            | WARNINGS                                       |                                     |
| None found                                                                                                  |                        |                                            | No warnings found on HPD Priority Hazard Lists |                                     |
| ADDITIONAL LISTINGS                                                                                         | AGENCY                 |                                            | NOTIFICATION                                   |                                     |
| None found                                                                                                  |                        |                                            | No listings found on Additional Hazard Lists   |                                     |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers |                        |                                            |                                                |                                     |

## POLYVINYL CHLORIDE (PRIMARY CASRN IS 9002-86-2)

ID: 2137864-40-3

|                                                                  |                           |                                                   |                                                                                                                                                           |                                             |
|------------------------------------------------------------------|---------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           | HAZARD SCREENING DATE: <b>2022-09-20 10:07:05</b> |                                                                                                                                                           |                                             |
| %: <b>0.4300 - 0.4800</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b>                                   | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Electronic component</b> |
| HAZARD TYPE                                                      | AGENCY AND LIST TITLES    |                                                   | WARNINGS                                                                                                                                                  |                                             |
|                                                                  | EC - CEPA DSL             |                                                   | Persistent                                                                                                                                                |                                             |
| 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                                                                                         | AGENCY                                                   | NOTIFICATION                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                             | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                       |
| RESTRICTED LIST                                                                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions                             |
| RESTRICTED LIST                                                                                             | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects |
| RESTRICTED LIST                                                                                             | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals<br><br>Priority for Inclusion in the Living Building Challenge Red List        |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers |                                                          |                                                                                                                                                  |

**SOLID / PLATE GLASS (USE SODA-LIME SILICATE GLASS [2446523-50-6] INSTEAD)**

ID: 65997-17-3

|                                                                                                             |                                              |                                                   |                                                                                          |                                        |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                            |                                              | HAZARD SCREENING DATE: <b>2022-09-20 10:07:59</b> |                                                                                          |                                        |
| %: <b>0.4000 - 0.4300</b>                                                                                   | GreenScreen: <b>LT-UNK</b>                   | RC: <b>PreC</b>                                   | NANO: <b>No</b>                                                                          | SUBSTANCE ROLE: <b>Glass component</b> |
| HAZARD TYPE                                                                                                 | AGENCY AND LIST TITLES                       |                                                   | WARNINGS                                                                                 |                                        |
|                                                                                                             | EC - CEPA DSL                                |                                                   | Persistent                                                                               |                                        |
| ADDITIONAL LISTINGS                                                                                         | AGENCY                                       |                                                   | NOTIFICATION                                                                             |                                        |
| EXEMPT                                                                                                      | European Union / European Commission (EU EC) |                                                   | EU - REACH Exemptions<br><br>Exempted from REACH Annex V listing due to intrinsic safety |                                        |
| POSITIVE LIST                                                                                               | US Environmental Protection Agency (US EPA)  |                                                   | US EPA - DfE SCIL<br><br>Green Circle - Verified Low Concern                             |                                        |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers |                                              |                                                   |                                                                                          |                                        |

**POLYURETHANE FOAMS**

ID: 9009-54-5

|                                                                  |                            |                                                   |                 |                                        |
|------------------------------------------------------------------|----------------------------|---------------------------------------------------|-----------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2022-09-20 10:08:59</b> |                 |                                        |
| %: <b>0.1900 - 0.2100</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                      | AGENCY AND LIST TITLES     |                                                   | WARNINGS        |                                        |
| None found                                                       |                            |                                                   |                 |                                        |
| No warnings found on HPD Priority Hazard Lists                   |                            |                                                   |                 |                                        |

| ADDITIONAL LISTINGS                                                                                         | AGENCY                                      | NOTIFICATION                                                                                 |          |                                 |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------|----------|---------------------------------|
| None found                                                                                                  |                                             | No listings found on Additional Hazard Lists                                                 |          |                                 |
| SUBSTANCE NOTES:                                                                                            |                                             |                                                                                              |          |                                 |
|                                                                                                             |                                             |                                                                                              |          |                                 |
| POLYAMIDE FIBERS                                                                                            |                                             |                                                                                              |          |                                 |
| ID: 63428-84-2                                                                                              |                                             |                                                                                              |          |                                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                   |                                             | HAZARD SCREENING DATE: 2022-09-20 10:10:13                                                   |          |                                 |
| %: 0.1900 - 0.2100                                                                                          | GreenScreen: NoGS                           | RC: None                                                                                     | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE                                                                                                 | AGENCY AND LIST TITLES                      | WARNINGS                                                                                     |          |                                 |
| None found                                                                                                  |                                             | No warnings found on HPD Priority Hazard Lists                                               |          |                                 |
| ADDITIONAL LISTINGS                                                                                         | AGENCY                                      | NOTIFICATION                                                                                 |          |                                 |
| None found                                                                                                  |                                             | No listings found on Additional Hazard Lists                                                 |          |                                 |
| SUBSTANCE NOTES:                                                                                            |                                             |                                                                                              |          |                                 |
|                                                                                                             |                                             |                                                                                              |          |                                 |
| LIMESTONE                                                                                                   |                                             |                                                                                              |          |                                 |
| ID: 1317-65-3                                                                                               |                                             |                                                                                              |          |                                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                   |                                             | HAZARD SCREENING DATE: 2022-09-20 10:11:01                                                   |          |                                 |
| %: 0.1600 - 0.1800                                                                                          | GreenScreen: BM-3dg                         | RC: None                                                                                     | NANO: No | SUBSTANCE ROLE: Binder          |
| HAZARD TYPE                                                                                                 | AGENCY AND LIST TITLES                      | WARNINGS                                                                                     |          |                                 |
| None found                                                                                                  |                                             | No warnings found on HPD Priority Hazard Lists                                               |          |                                 |
| ADDITIONAL LISTINGS                                                                                         | AGENCY                                      | NOTIFICATION                                                                                 |          |                                 |
| POSITIVE LIST                                                                                               | US Environmental Protection Agency (US EPA) | US EPA - DfE SCIL                                                                            |          |                                 |
|                                                                                                             |                                             | Green Circle - Verified Low Concern                                                          |          |                                 |
| SUBSTANCE NOTES: Substance range is provided to safeguard proprietary information of KONE and its suppliers |                                             |                                                                                              |          |                                 |
|                                                                                                             |                                             |                                                                                              |          |                                 |
| KAOLIN                                                                                                      |                                             |                                                                                              |          |                                 |
| ID: 1332-58-7                                                                                               |                                             |                                                                                              |          |                                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                   |                                             | HAZARD SCREENING DATE: 2022-09-20 10:11:45                                                   |          |                                 |
| %: 0.1400 - 0.1500                                                                                          | GreenScreen: LT-UNK                         | RC: None                                                                                     | NANO: No | SUBSTANCE ROLE: Ceramic body    |
| HAZARD TYPE                                                                                                 | AGENCY AND LIST TITLES                      | WARNINGS                                                                                     |          |                                 |
| CAN                                                                                                         | MAK                                         | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |          |                                 |
|                                                                                                             | EC - CEPA DSL                               | Persistent                                                                                   |          |                                 |
| ADDITIONAL LISTINGS                                                                                         | AGENCY                                      | NOTIFICATION                                                                                 |          |                                 |
| POSITIVE LIST                                                                                               | US Environmental Protection Agency (US EPA) | US EPA - DfE SCIL                                                                            |          |                                 |
|                                                                                                             |                                             | Green Circle - Verified Low Concern                                                          |          |                                 |

LEAD

ID: 7439-92-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**    HAZARD SCREENING DATE: **2022-09-20 10:13:21**

%: **0.1300 - 0.1500**      GreenScreen: **BM-1**      RC: **None**    NANO: **No**    SUBSTANCE ROLE: **Electronic component**

| HAZARD TYPE | AGENCY AND LIST TITLES                           | WARNINGS                                                                                                          |
|-------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors            | Potential Endocrine Disruptor                                                                                     |
| PBT         | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action                                                                                |
| REP         | EU - SVHC Authorisation List                     | Toxic to reproduction - Candidate list                                                                            |
| PBT         | OR DEQ - Priority Persistent Pollutants          | Priority Persistent Pollutant - Tier 1                                                                            |
| MUL         | ChemSec - SIN List                               | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                                              |
| CAN         | CA EPA - Prop 65                                 | Carcinogen                                                                                                        |
| CAN         | IARC                                             | Group 2b - Possibly carcinogenic to humans                                                                        |
| CAN         | MAK                                              | Carcinogen Group 2 - Considered to be carcinogenic for man                                                        |
| CAN         | US NIH - Report on Carcinogens                   | Reasonably Anticipated to be Human Carcinogen                                                                     |
| DEV         | G&L - Neurotoxic Chemicals                       | Developmental Neurotoxicant                                                                                       |
| CAN         | US EPA - IRIS Carcinogens                        | (1986) Group B2 - Probable human Carcinogen                                                                       |
| CAN         | IARC                                             | Group 2a - Agent is probably Carcinogenic to humans                                                               |
| DEV         | CA EPA - Prop 65                                 | Developmental toxicity                                                                                            |
| PBT         | US EPA - Priority PBTs (NWMP)                    | Priority PBT                                                                                                      |
| PBT         | WA DoE - PBT                                     | PBT                                                                                                               |
| PBT         | US EPA - Toxics Release Inventory PBTs           | PBT                                                                                                               |
| DEV         | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity                                                        |
| REP         | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Reproductive Toxicity                                                         |
| REP         | EU - REACH Annex XVII CMRs                       | Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans |
| REP         | EU - Annex VI CMRs                               | Reproductive Toxicity - Category 1A                                                                               |
| GEN         | MAK                                              | Germ Cell Mutagen 3a                                                                                              |
| REP         | CA EPA - Prop 65                                 | Reproductive Toxicity - Female                                                                                    |
| REP         | CA EPA - Prop 65                                 | Reproductive Toxicity - Male                                                                                      |
| CAN         | GHS - Korea                                      | H350 - May cause cancer [Carcinogenicity - Category 1]                                                            |
| REP         | GHS - Korea                                      | H360 - May damage fertility or the unborn child [Reproductive toxicity - Category 1]                              |

|     |                                           |                                                                                                                                                           |
|-----|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| REP | GHS - Japan                               | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]                                                                     |
| DEV | GHS - Australia                           | H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 1B]                                         |
| REP | EU - GHS (H-Statements) Annex 6 Table 3-1 | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]                                                    |
| DEV | EU - GHS (H-Statements) Annex 6 Table 3-1 | H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation]                                                         |
| REP | GHS - New Zealand                         | Reproductive toxicity category 1                                                                                                                          |
|     | EC - CEPA DSL                             | Persistent                                                                                                                                                |
| 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] |
| GEN | GHS - Australia                           | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| GEN | GHS - Japan                               | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| MAM | GHS - New Zealand                         | Specific target organ toxicity - repeated exposure 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                                                                                                 |
| AQU | GHS - Korea                               | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| AQU | GHS - Korea                               | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                 |
| GEN | GHS - New Zealand                         | Germ cell mutagenicity category 2                                                                                                                         |
| MAM | GHS - New Zealand                         | Acute oral toxicity category 3                                                                                                                            |
| SKI | GHS - Korea                               | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]                                                                              |
| REP | GHS - New Zealand                         | Effects on or via lactation                                                                                                                               |
| CAN | GHS - Australia                           | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |

| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                                                                                            | AGENCY                                                   | NOTIFICATION                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                                | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                        |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                                | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions                                              |
| 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                           |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                                | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects                  |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                                | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals<br><br>Watch List Substances Considered for Inclusion in the Living Building Challenge Red List |
| <p><b>SUBSTANCE NOTES:</b> Substance range is provided to safeguard proprietary information of KONE and its suppliers. Lead is found in the lead acid batteries which are commonly used in the elevators. Lead content is however very minimal. KONE customers also have the possibility to order the elevator with drive that uses lithium-ion batteries.</p> |                                                          |                                                                                                                                                                   |

POLYPROPYLENE

ID: 9003-07-0

|                                                                  |                                             |                                                   |                                     |                                        |
|------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------|-------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             | HAZARD SCREENING DATE: <b>2022-09-20 10:14:15</b> |                                     |                                        |
| %: <b>0.1200 - 0.1300</b>                                        | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b>                                   | NANO: <b>No</b>                     | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                      | AGENCY AND LIST TITLES                      |                                                   | WARNINGS                            |                                        |
|                                                                  | EC - CEPA DSL                               |                                                   | Persistent                          |                                        |
| ADDITIONAL LISTINGS                                              | AGENCY                                      |                                                   | NOTIFICATION                        |                                        |
| POSITIVE LIST                                                    | US Environmental Protection Agency (US EPA) |                                                   | US EPA - DfE SCIL                   |                                        |
|                                                                  |                                             |                                                   | Green Circle - Verified Low Concern |                                        |



## 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 V1.2 (Section 01350/CHPS) - Residential scenario |                        |
|------------------------------------------|-----------------------------------------------------------------------|------------------------|
| CERTIFYING PARTY: Self-declared          | ISSUE DATE: 2022-09-20                                                | CERTIFIER OR LAB: None |
| APPLICABLE FACILITIES: All               | EXPIRY DATE:                                                          |                        |
| CERTIFICATE URL:                         |                                                                       |                        |
| CERTIFICATION AND COMPLIANCE NOTES: None |                                                                       |                        |

## 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.*

|                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACRYLIC SEALANT BLACK</b>                                                                                                                                                                                                          |
| MANUFACTURER (OR GENERIC): Jointas                                                                                                                                                                                                    |
| HPD URL: No HPD available                                                                                                                                                                                                             |
| ACCESSORY TYPE: Adhesive                                                                                                                                                                                                              |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Used for jointing and sealing the different parts. VOC content < 20.0 g/l The installation chemicals in the HPD are representative of Monospace300 DX installed in Sweden. |

## Section 5: General Notes

KONE MonoSpace® DX is an elevator for mid-rise and low-rise residential and commercial buildings with built-in connectivity for improved people flow and a new and inspiring user experience. Powered by a compact, energy-efficient KONE EcoDisc® hoisting motor, the KONE MonoSpace® DX saves valuable space in the building by completely removing the need for a machine room. KONE MonoSpace® DX machine room-less elevator offers digital services, optimized productivity during construction, eco efficiency features and an option for carbon compensation. KONE also has a published Environmental Product Declaration for the MonoSpace® 300 DX which can be accessed via [https://www.kone.com/en/Images/KONE\\_MonoSpace\\_300\\_DX\\_EPD\\_22-03\\_tcm17-96394.pdf](https://www.kone.com/en/Images/KONE_MonoSpace_300_DX_EPD_22-03_tcm17-96394.pdf)

## MANUFACTURER INFORMATION

**MANUFACTURER:** KONE Corporation  
**ADDRESS:** Keilasatama 3  
 Espoo - 02150, Finland  
**WEBSITE:** [www.kone.com](http://www.kone.com)

**CONTACT NAME:** Hanna Uusitalo  
**TITLE:** Environmental Director  
**PHONE:** +358204751  
**EMAIL:** [hanna.uusitalo@kone.com](mailto:hanna.uusitalo@kone.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

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

### Other Terms:

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

### Inventory Methods:

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

**Nano** Composed of nano scale particles or nanotechnology

**Third Party Verified** Verification by independent certifier approved by HPDC

**Preparer** Third party preparer, if not self-prepared by manufacturer

**Applicable facilities** Manufacturing sites to which testing applies

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

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

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

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

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