

CLASSIFICATION: 142000

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®700 elevators range manufactured at KONE owned operated sites in different parts of the world or purchased from KONE suppliers.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

CONTENT IN DESCENDING ORDER OF QUANTITY

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

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
MONOSPACE® 700 [STEEL NoGS IRON OXIDE LT-UNK STAINLESS STEEL
NoGS PORTLAND CEMENT LT-P1 | END | CAN WATER BM-4 ALUMINUM
NoGS COPPER LT-UNK WOOD NoGS CALCIUM CARBONATE BM-3
POLYVINYL CHLORIDE (PVC) LT-P1 | RES SOLID / PLATE GLASS LT-UNK
POLYURETHANE LT-P1 ZINC LT-P1 | AQU | PHY | END | MUL
POLYETHYLENE LT-UNK]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

As no registered CAS number exist for wood, it is the sole substance used in the product whose identification was not possible in the builder tool. However, screening results showed no existing hazard warnings were found for the substance.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

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

VOC emissions: CDPH Standard Method- Not Tested

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-11-06

PUBLISHED DATE: 2018-11-06

EXPIRY DATE: 2021-11-06



Section 2: Content in Descending Order of Quantity

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

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

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

MONOSPACE® 700

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: 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:

STEEL

ID: 12597-69-2

%: 65.0000 - 75.0000 GS: NoGS RC: Both NANO: No ROLE: Car, Doors, Machinery, Counterweight

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance range is provided to safeguard the proprietary information of KONE and its suppliers

IRON OXIDE

ID: 1332-37-2

%: 16.0000 - 20.0000 GS: LT-UNK RC: None NANO: No ROLE: Concrete, Counterweight

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance range is provided to safeguard the proprietary information of KONE and its suppliers

STAINLESS STEEL

ID: 12597-68-1

%: 5.0000 - 10.0000 GS: NoGS RC: Both NANO: No ROLE: Car, Interior, Machinery components, Doors

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance range is provided to safeguard the proprietary information of KONE and its suppliers

PORTLAND CEMENT

ID: 65997-15-1

%: **5.0000 - 7.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Concrete, Counterweight**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: **Substance range is provided to safeguard the proprietary information of KONE and its suppliers**

WATER

ID: **7732-18-5**

%: **2.0000 - 4.0000** GS: **BM-4** RC: **None** NANO: **No** ROLE: **Concrete, Counterweight**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Substance range is provided to safeguard the proprietary information of KONE and its suppliers**

ALUMINUM

ID: **91728-14-2**

%: **0.5000 - 1.5000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Cars, Doors and Machinery components**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Substance range is provided to safeguard the proprietary information of KONE and its suppliers**

COPPER

ID: **7440-50-8**

%: **0.5000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Wiring, Electronic and Electrical components**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Substance range is provided to safeguard the proprietary information of KONE and its suppliers**

WOOD

ID: **Not registered**

%: **0.2500 - 0.3000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Car interior, Flooring**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Substance range is provided to safeguard the proprietary information of KONE and its suppliers. As no registered CAS number is available for the wood it is the sole substance used in the product whose identification was not possible in the builder tool.**

CALCIUM CARBONATE

ID: 471-34-1

%: 0.2500 - 0.3000	GS: BM-3	RC: None	NANO: No	ROLE: Insulating panels
---------------------------	-----------------	-----------------	-----------------	--------------------------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance range is provided to safeguard the proprietary information of KONE and its suppliers

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%: 0.2000 - 0.3000	GS: LT-P1	RC: None	NANO: No	ROLE: Wiring, Electronics and Electrical components
---------------------------	------------------	-----------------	-----------------	--

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Substance range is provided to safeguard the proprietary information of KONE and its suppliers

SOLID / PLATE GLASS

ID: 65997-17-3

%: 0.1500 - 0.2000	GS: LT-UNK	RC: PreC	NANO: No	ROLE: Car interior
---------------------------	-------------------	-----------------	-----------------	---------------------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance range is provided to safeguard the proprietary information of KONE and its suppliers

POLYURETHANE

ID: 64440-88-6

%: 0.1000 - 0.1500	GS: LT-P1	RC: None	NANO: No	ROLE: Electronics and Electrical components
---------------------------	------------------	-----------------	-----------------	--

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance range is provided to safeguard the proprietary information of KONE and its suppliers

ZINC

ID: 7440-66-6

%: 0.1000 - 0.1500	GS: LT-P1	RC: None	NANO: No	ROLE: Steel coating
---------------------------	------------------	-----------------	-----------------	----------------------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

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.

POLYETHYLENE

ID: 9002-88-4

%: **0.1000 - 0.1500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Electronic and Electrical components**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance range is provided to safeguard the proprietary information of KONE and its suppliers

Section 3: Certifications and Compliance

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

VOC EMISSIONS

CDPH Standard Method- Not Tested

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **All**

10-10

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.

S-BOND ADHESIVE

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Adhesive is used for installation. VOC content - 0 g/l

ACRYLIC SEALANT BLACK

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Used for jointing and sealing the different parts. VOC content - 22.9 g/l

Section 5: General Notes

The KONE MonoSpace® 700 is a flexible, high-quality lift for low to mid-rise buildings and adds value to commercial and residential buildings which have demanding people flow and ride comfort requirements. It features interior options, superb ride comfort and excellent eco-efficiency.



MANUFACTURER INFORMATION

MANUFACTURER: **KONE Corporation**
 ADDRESS: **Keilasatama 3**
Espoo - 02150, Finland
 WEBSITE: **www.kone.com**

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

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

Inventory Methods:

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

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

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

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

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

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

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