

CLASSIFICATION: 142000

PRODUCT DESCRIPTION: Elevators (also known as “Lifts”) are designed for the transportation of persons, goods, and materials, and may have vertical or inclined trajectories. Elevator systems consist of subsystems and components, and may be powered via electrical or hydraulic energy. All new OTIS GeN2 elevators are machine-roomless, gearless elevators produced by OTIS’ manufacturing facilities across Europe, and distributed and operated nationwide within Europe. This declaration covers the GeN2 Life® elevators range manufactured at OTIS owned and operated sites, or purchased from a Tier 1 suppliers. All components are then shipped through the OTIS owned and operated distribution center (DC), and distributed for assembly at the installation site.

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**

GEN2 LIFE® [ STEEL NoGS PUMICE LT-UNK STAINLESS STEEL NoGS  
PORTLAND CEMENT LT-P1 | END | CAN ZINC LT-P1 | AQU | END | MUL |  
PHY ALUMINUM LT-P1 | RES | END | PHY WATER BM-4 POLYVINYL  
CHLORIDE (PVC) LT-P1 | RES COPPER LT-UNK SOLID / PLATE GLASS LT-  
UNK IRON OXIDE LT-UNK POLYURETHANE LT-UNK NYLON 6 LT-UNK ]

Number of Greenscreen BM-4/BM3 contents ... 1  
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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

VOC emissions: ISO 16000

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-10-10

PUBLISHED DATE: 2018-04-10

EXPIRY DATE: 2020-10-10



# 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

## GEN2 LIFE®

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Since the majority of the elevator is made of steel and there are no warnings found on HPD priority lists for steels, residuals and impurities were not considered.

OTHER PRODUCT NOTES:

### STEEL

ID: 12597-69-2

GS: NoGS RC: Both NANO: No ROLE: various car, machine, and mounting components

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

### PUMICE

ID: 1332-09-8

GS: LT-UNK RC: PostC NANO: No ROLE: counterweight

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

### STAINLESS STEEL

ID: 12597-68-1

GS: NoGS RC: Both NANO: No ROLE: various car, machine, and mounting components

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

### PORTLAND CEMENT

ID: 65997-15-1

#: 1.0000 - 5.0000

GS: LT-P1

RC: None

NANO: No

ROLE: 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: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

ZINC

ID: 7440-66-6

#: 1.0000 - 5.0000

GS: LT-P1

RC: None

NANO: No

ROLE: steel coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

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

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

ALUMINUM

ID: 7429-90-5

#: 1.0000 - 3.0000

GS: LT-P1

RC: PreC

NANO: No

ROLE: various car and door components

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

**WATER**

ID: 7732-18-5

#: **1.0000 - 3.0000**      GS: **BM-4**      RC: **None**      NANO: **No**      ROLE: **counterweight, concrete component**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

**POLYVINYL CHLORIDE (PVC)**

ID: 9002-86-2

#: **0.3000 - 1.0000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **wiring**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

**COPPER**

ID: 7440-50-8

#: **0.3000 - 1.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **wiring**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

**SOLID / PLATE GLASS**

ID: 65997-17-3

#: **0.3000 - 0.7000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **mirror and lighting**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

**IRON OXIDE**

ID: 1332-37-2

#: **0.1000 - 0.5000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **counterweight, concrete component**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Otis France and its suppliers.

**POLYURETHANE**ID: **64440-88-6**%: **0.1000 - 0.5000**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **ropes**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found****No warnings found on HPD Priority lists**SUBSTANCE NOTES: **A substance range is given to protect the intellectual property of both Otis France and its suppliers.****NYLON 6**ID: **25038-54-4**%: **0.1000 - 0.2000**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **wiring**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found****No warnings found on HPD Priority lists**SUBSTANCE NOTES: **A substance range is given to protect the intellectual property of both Otis France 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

### ISO 16000

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2011-**

EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins**

APPLICABLE FACILITIES: **All**

**03-23**

**Product Testing A/S**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

## Section 4: Accessories

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

No accessories are required for this product.

### WD-40

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Used for cleaning during typical installation. VOC content: 412 g/L

### BOSTIK GLUE

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

For all installations. Zero VOC formulation.

## Section 5: General Notes

This Health Product Declaration was completed by thinkstep.



## MANUFACTURER INFORMATION

MANUFACTURER: **OTIS**

ADDRESS: **New Equipment Center**

**Avenue des Montoires <br> Gien CEDEX Loiret  
45504, France**

WEBSITE:

**<http://www.otis.com/site/fr/pages/default.aspx>**

CONTACT NAME: **Alper Caliskan**

TITLE: **Senior Project Program Manager**

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## 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

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

### GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**BM-3** Benchmark 3 (use but still opportunity for improvement)

**BM-2** Benchmark 2 (use but search for safer substitutes)

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

**NoGS** Unknown (no data on List Translator Lists)

### 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*

