

**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 Stream High Rise® 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 STREAM HIGH RISE® [ STEEL (STEEL) NoGS PUMICE (PUMICE) LT-UNK STAINLESS STEEL (STAINLESS STEEL) NoGS ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY IRON (IRON) LT-P1 | END POLYVINYL CHLORIDE (PVC) (POLYVINYL CHLORIDE (PVC)) LT-P1 | RES PORTLAND CEMENT (PORTLAND CEMENT) LT-P1 | END | CAN COPPER (COPPER) LT-UNK NYLON 6 (NYLON 6) LT-UNK POLYURETHANE (POLYURETHANE) LT-UNK IRON OXIDE (IRON OXIDE) LT-UNK WATER (WATER) BM-4 ALUMINUM (ALUMINUM) LT-P1 | RES | END | PHY LEAD (LEAD) LT-1 | MAM | AQU | DEL | REP | CAN | PBT | MUL | END | GEN ]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1  
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: 2017-11-28

PUBLISHED DATE: 2018-04-10

EXPIRY DATE: 2020-11-28



# 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 STREAM HIGH RISE®

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 (STEEL)

ID: 12597-69-2

#: 70.0000 - 85.0000 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 (PUMICE)

ID: 1332-09-8

#: 5.0000 - 8.0000 GS: LT-UNK RC: PostC 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.

### STAINLESS STEEL (STAINLESS STEEL)

ID: 12597-68-1

#: 4.0000 - 7.0000 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.

### ZINC (ZINC)

ID: 7440-66-6

%: **1.2500 - 2.0000**

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.

### IRON (IRON)

ID: **7439-89-6**

%: **1.0000 - 1.5000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **machine and governor**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

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

### POLYVINYL CHLORIDE (PVC) (POLYVINYL CHLORIDE (PVC))

ID: **9002-86-2**

%: **0.7500 - 1.2500**

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.

### PORTLAND CEMENT (PORTLAND CEMENT)

ID: **65997-15-1**

%: **0.7500 - 1.1000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **counterweight, concrete component**

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.

**COPPER (COPPER)**

ID: 7440-50-8

#: **0.5000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **wiring, electronic 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.

**NYLON 6 (NYLON 6)**

ID: 25038-54-4

#: **0.5000 - 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.

**POLYURETHANE (POLYURETHANE)**

ID: 64440-88-6

#: **0.5000 - 1.0000** 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.

**IRON OXIDE (IRON OXIDE)**

ID: 1332-37-2

#: **0.2500 - 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.

**WATER (WATER)**

ID: 7732-18-5

#: **0.2500 - 0.5000** 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

**ALUMINUM (ALUMINUM)**

ID: 91728-14-2

%: **0.1000 - 0.5000** GS: **LT-P1** RC: **PreC** NANO: **No** ROLE: **various car, machine, and mounting 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.

**LEAD (LEAD)**

ID: 7439-92-1

%: **0.1000 - 0.3000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **various car, machine, and mounting components**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
DEVELOPMENTAL	EU - R-phrases	R61 - May cause harm to the unborn child
REPRODUCTIVE	EU - R-phrases	R62 - Possible risk of impaired fertility
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CANCER	IARC	Group 2a - Agent is probably Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	WA DoE - PBT	PBT
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen

PBT	US EPA - Priority PBTs (PPT)	Priority PBT
PBT	US EPA - Toxics Release Inventory PBTs	PBT
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
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
DEVELOPMENTAL	EU - GHS (H-Statements)	H360Df - May damage the unborn child. Suspected of damaging fertility
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
DEVELOPMENTAL	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A
GENE MUTATION	MAK	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A

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 facilities**

**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.*

### 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**

PHONE: **+33 2 38 29 82 13**

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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*



