

CLASSIFICATION: 14.20.00 ELEVATORS

PRODUCT DESCRIPTION: ASSESSED MATERIALS COMPRISE THE THYSSENKRUPP ELEVATOR DOOR AND ENTRANCE SYSTEM FOR ALL STANDARD STAINLESS STEEL ELEVATORS. THIS INCLUDES ALL MATERIALS INCORPORATED INTO THE LANDING THRESHOLD AND MATERIALS INCORPORATED INTO THE CAB ENTRANCE. NO SPECIAL FINISHES WERE CONSIDERED. FINAL MANUFACTURING OCCURS IN MIDDLETON, TN AND IS ASSEMBLED ONSITE WITH NO ACCESSORY MATERIALS NEEDED.

**Section 1: Summary**

**CONTENT INVENTORY**

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

- Residuals and impurities considered in 1 of 1 materials
- see Section 2: Material Notes
  - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

**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**

ELEVATOR DOORS AND ENTRANCES [ 400 STAINLESS STEEL UNK SAE 1018 STEEL UNK ALUMINUM LT-P1 | RES | PHY | END UNSPECIFIED GRADE STEEL UNK SAE 1011 STEEL UNK ZAMAK UNK SAE 1080 STEEL UNK ]

Number of Greenscreen BM-4/BM3 contents..... 0  
Contents highest concern GreenScreen  
Benchmark or List translator Score..... LT-P1  
Nanomaterial..... No

**INVENTORY AND SCREENING NOTES:**

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE**

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: October 10, 2016	EXPIRY DATE*: October 10, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: October 10, 2016	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### ELEVATOR DOORS AND ENTRANCES

%: 100.0000 - 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: As the structural components for the entrances and doors are composed of different steel alloys, CAS# IDs were not identified but rather the grade of steel alloy. Descriptions of each alloy specification are provided for each substance below.

#### 400 STAINLESS STEEL

ID:

%: 90.8200 - 90.8200

GS: UNK

RC: None

NANO: NO

ROLE: Structural Component

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 400 series stainless steels are among the family of Martensitic and Ferritic stainless steels. These are iron-chromium-based alloys with higher carbon content than Austenitic stainless steel (300 series).

#### SAE 1018 STEEL

ID:

%: 5.0600 - 5.0600

GS: UNK

RC: None

NANO: NO

ROLE: Structural Component

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: AISI-SAE 1018 grade steel is among the family of carburizing steels within low-carbon plain steels (AISI-SAE grades 1005-1030). These plain carbon steels are predominately composed of iron and carbon, with small amounts of manganese.

#### ALUMINUM

ID: 7429-90-5

%: 0.9100 - 0.9100

GS: LT-P1

RC: None

NANO: NO

ROLE: Sill and Wire Components

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: The specific metal composition by % weight for the coil wire component and sill component were not provided. To yield the most conservative values, the maximum potential percent composition of aluminum was used.

**UNSPECIFIED GRADE STEEL**

ID:

%: 0.8700 - 0.8700	GS: UNK	RC: None	NANO: NO	ROLE: Structural Components
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Unspecified grade steel components including 14 gauge cold-rolled steel sheet, nuts, bolts, screws, and washers.

**SAE 1011 STEEL**

ID:

%: 0.5500 - 0.5500	GS: UNK	RC: None	NANO: NO	ROLE: Structural Component
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: AISI-SAE 1011 is a grade of hot-rolled carbon steel grade steel. These plain carbon steels are predominately composed of iron and carbon, with small amounts of manganese.

**ZAMAK**

ID:

%: 0.3300 - 0.3300	GS: UNK	RC: None	NANO: NO	ROLE: Structural Component
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Zamak is a cast zinc-aluminum alloy.

**SAE 1080 STEEL**

ID:

%: 0.2900 - 0.2900	GS: UNK	RC: None	NANO: NO	ROLE: Structural Component
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: AISI-SAE 1080 grade steel is within the family of high-carbon plain steels (AISI-SAE grades 1060-1095). These plain carbon steels are predominately composed of iron and carbon, with small amounts of manganese.

**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.

**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.

**Section 5: General Notes**

Per the formulation disclosure provided by ThyssenKrupp, it was determined that any materials/components that are present in the ThyssenKrupp Elevator Door and Entrances product that have the potential to include residuals fall below the 1,000 ppm disclosure level and therefore were not required to be reviewed under this HPD.



**MANUFACTURER INFORMATION**

MANUFACTURER: ThyssenKrupp Elevator

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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

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

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

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

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

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

**UNK** 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

**Nano** Composed of nanoscale particles or nanotechnology

Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)

**Independent Lab** Manufacturer's self-declaration using results from an independent lab

**Second Party** Verification by trade association or other interested party

**Third Party** Verification by independent certifier

**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.