Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>All Substances Above the Threshold Indicated Are:</th>
</tr>
</thead>
<tbody>
<tr>
<td>◆ Nested Materials Method</td>
<td>◆ 100 ppm</td>
<td>◆ Considered</td>
<td>Characterized ◆ Yes Ex/SC ◆ Yes ◆ No</td>
</tr>
<tr>
<td>◆ Basic Method</td>
<td>◆ 1,000 ppm</td>
<td>◆ Partially Considered</td>
<td>% weight and role provided for all substances.</td>
</tr>
<tr>
<td>◆ Per GHS SDS</td>
<td>◆ Not Considered</td>
<td></td>
<td></td>
</tr>
<tr>
<td>◆ Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
--- | --- | --- | --- | ---
EVOLUTION ELEVATOR | STEEL NoGS COPPER LT-P1 | AQU | MUL | POLYVINYL CHLORIDE (PVC) (PRIMARY CASRN IS 9002-86-2) LT-P1 |
RES IRON OXIDE LT-UNK ALUMINUM BM-1 | RES | PHY | END WOOD NoGS ZINC OXIDE BM-1 | RES | AQU | END | MUL BORIC ACID LT-1 |
END | REP | MUL | DEV CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS(PHENOL), 4-(1-METHYL-1-PHENYLETHYL)PHENYL ESTER NoGS LIMESTONE LT-UNK CELLULOSE, MICROCRYSTALLINE LT-UNK | RES | AQU | END | MUL | ABS RESIN LT-UNK TRIPHENYL PHOSPHATE BM-2 | END | MUL |

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 V1.1 (Section 01350/CHPS) - Classroom & Office scenario

LCA: Environmental Product Declaration (EPD)

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: 2020-11-10

PUBLISHED DATE: 2020-11-12

EXPIRY DATE: 2023-11-10
**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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

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**EVOLUTION ELEVATOR**

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** No

**RESIDUALS AND IMPURITIES NOTES:** The majority of the elevator, by weight, is composed of steel and there are no hazard warning related to steel, so residuals and impurities were not considered.

**OTHER PRODUCT NOTES:**

<table>
<thead>
<tr>
<th>STEEL</th>
<th>ID: 12597-69-2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
<td><strong>HAZARD SCREENING DATE:</strong> 2020-11-10</td>
</tr>
<tr>
<td>%: <strong>80.0000 - 90.0000</strong></td>
<td><strong>GS:</strong> NoGS</td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td>None found</td>
<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

<table>
<thead>
<tr>
<th>COPPER</th>
<th>ID: 7440-50-8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
<td><strong>HAZARD SCREENING DATE:</strong> 2020-11-10</td>
</tr>
<tr>
<td>%: <strong>2.5000 - 5.0000</strong></td>
<td><strong>GS:</strong> LT-P1</td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

<table>
<thead>
<tr>
<th>POLYVINYL CHLORIDE (PVC) (PRIMARY CASRN IS 9002-86-2)</th>
<th>ID: 93050-82-9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
<td><strong>HAZARD SCREENING DATE:</strong> 2020-11-10</td>
</tr>
<tr>
<td>%: <strong>2.0000 - 3.0000</strong></td>
<td><strong>GS:</strong> LT-P1</td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRON OXIDE</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-11-10</td>
<td>1.0000 - 2.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Structure component</td>
<td>None found</td>
<td>Pharos Chemical and Materials Library</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
<tr>
<td>ALUMINUM</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-11-10</td>
<td>0.7500 - 1.5000</td>
<td>BM-1</td>
<td>None</td>
<td>No</td>
<td>Structure component</td>
<td>None found</td>
<td>EU - GHS (H-Statements)</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Physical Hazard (Reactive)</td>
<td>H250 - Catches fire spontaneously if exposed to air</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Physical Hazard (Reactive)</td>
<td>H261 - In contact with water releases flammable gases</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Endocrine</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
<td></td>
</tr>
<tr>
<td>WOOD</td>
<td>Not registered</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-11-10</td>
<td>0.3000 - 0.8000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Structure component</td>
<td>None found</td>
<td>Pharos Chemical and Materials Library</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
<tr>
<td>ZINC OXIDE</td>
<td>1314-13-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-11-10</td>
<td>0.2000 - 0.5000</td>
<td>BM-1</td>
<td>None</td>
<td>No</td>
<td>Coating</td>
<td>None found</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
</tbody>
</table>
### BORIC ACID

**ID:** 10043-35-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-11-10

<table>
<thead>
<tr>
<th>%:</th>
<th>0.0500 - 0.1000</th>
<th>GS:</th>
<th>LT-1</th>
<th>RC:</th>
<th>None</th>
<th>NANO:</th>
<th>No</th>
<th>SUBSTANCE ROLE: Biocide</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**ENDOCRINE**  
EU - Priority Endocrine Disruptors  
Category 1 - In vivo evidence of Endocrine Disruption Activity

**REPRODUCTIVE**  
EU - SVHC Authorisation List  
Toxic to reproduction - Candidate list

**REPRODUCTIVE**  
EU - SVHC Authorisation List  
Toxic to reproduction - Prioritized for listing

**REPRODUCTIVE**  
EU - GHS (H-Statements)  
H360FD - May damage fertility. May damage the unborn child

**MULTIPLE**  
ChemSec - SIN List  
CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

**ENDOCRINE**  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor

**DEVELOPMENTAL**  
MAK  
Pregnancy Risk Group B

**REPRODUCTIVE**  
GHS - Japan  
Toxic to reproduction - Category 1B [H360]

**REPRODUCTIVE**  
EU - Annex VI CMRs  
Reproductive Toxicity - Category 1B

**REPRODUCTIVE**  
GHS - Australia  
H360FD - May damage fertility. May damage the unborn child

### CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS(PHENOL), 4-(1-METHYL-1-PHENYLETHYL)PHENYL ESTER

**ID:** 111211-39-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-11-10

<table>
<thead>
<tr>
<th>%:</th>
<th>0.0500 - 0.2000</th>
<th>GS:</th>
<th>NoGS</th>
<th>RC:</th>
<th>None</th>
<th>NANO:</th>
<th>No</th>
<th>SUBSTANCE ROLE: Structure component</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

None found  
No warnings found on HPD Priority Hazard Lists

### LIMESTONE

**ID:** 1317-65-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-11-10

<table>
<thead>
<tr>
<th>%:</th>
<th>0.0400 - 0.1000</th>
<th>GS:</th>
<th>LT-UNK</th>
<th>RC:</th>
<th>None</th>
<th>NANO:</th>
<th>No</th>
<th>SUBSTANCE ROLE: Surface modifier</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

None found  
No warnings found on HPD Priority Hazard Lists
**CELLULOSE, MICROCRYSTALLINE**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2020-11-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0300 - 0.0600</td>
<td>GS: LT-UNK</td>
<td>RC: None, NANO: No</td>
<td>SUBSTANCE ROLE: Surface modifier</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>AOE, AsthmaGENS</td>
<td>AsthmaGEN (Rs) - sensitizer-induced</td>
<td></td>
</tr>
</tbody>
</table>

**ABS RESIN**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2020-11-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0250 - 0.0750</td>
<td>GS: LT-UNK</td>
<td>RC: None, NANO: No</td>
<td>SUBSTANCE ROLE: Stabilizer</td>
</tr>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TRIPHENYL PHOSPHATE**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2020-11-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0050 - 0.0150</td>
<td>GS: BM-2</td>
<td>RC: None, NANO: No</td>
<td>SUBSTANCE ROLE: Flame retardant</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>ChemSec - SIN List</td>
<td>Endocrine Disruption</td>
<td></td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
<td></td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom &amp; Office scenario</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Third Party</td>
<td>Issue Date: 2013-05-21 Expiry Date:</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: Elevator Cab</td>
<td></td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Certifier or Lab: UL</td>
</tr>
<tr>
<td>LCA</td>
<td>Environmental Product Declaration (EPD)</td>
</tr>
<tr>
<td>CERTIFYING PARTY: Third Party</td>
<td>Issue Date: 2020-09-30 Expiry Date: 2023-09-30</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: All evolution elevators</td>
<td>Certifier or Lab: Environdec</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Environmental Product Declaration by Environdec</td>
</tr>
</tbody>
</table>

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.

Section 5: General Notes

For low- to mid-rise buildings, this MRL elevator was developed for you. Whether it’s increased speed, capacity or energy efficiency, you can choose an elevator that includes all the essentials. Special features like regenerative drive and electronic auto-rescue come standard. Best of all, everything fits into the hoistway and the installation is hassle-free.
Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: ThyssenKrupp Elevator
ADDRESS: 300 Galleria Pkwy SE
Suite 1700
Atlanta GA 30339, USA
WEBSITE: https://www.thyssenkruppelevator.com/

CONTACT NAME: Liz Minne
TITLE: Environmental Program Manager II
PHONE: +1 678 435 4684
EMAIL: elizabeth.minne@tkelevator.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

- AQU Aquatic toxicity
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming
- LAN Land toxicity
- MAM Mammalian/systemic/organ toxicity
- MUL Multiple
- NEU Neurotoxicity
- NF Not found on Priority Hazard Lists
- OZO Ozone depletion
- PBT Persistent, bioaccumulative, and toxic
- PHY Physical hazard (flammable or reactive)
- REP Reproductive
- RES Respiratory sensitization
- SKI Skin sensitization/irritation/corrosivity
- UNK Unknown

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 (due to insufficient data)
- LT-P1 List Translator Possible 1 (Possible Benchmark-1)
- LT-1 List Translator 1 (Likely Benchmark-1)
- LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
- NoGS No GreenScreen.

Recycled Types

- PreC Pre-consumer recycled content
- PostC Post-consumer recycled content
- UNK Inclusion of recycled content is unknown
- None Does not include recycled content

Other Terms:

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

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.