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

Are All Substances Above the Threshold Indicated:

- Yes
- No

Characterized Percent Weight and Role Provided?

- Yes
- No

Screened Using Priority Hazard Lists with Results Disclosed?

- Yes
- No

Identified Name and Identifier Provided?

- 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

STEELCRAFT L SERIES DOOR WITH HONEYCOMB CORE [ IRON LT-P1 ]
END CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE) [ PHENOL (PHENOL) LT-P1 | MAM | MSI | GEN ]
END | MUL | CAN FORMALDEHYDE (FORMALDEHYDE) LT-1 | MAM | MSI |
CAN | RES | GEN | MUL | END WATER BM-4 CARBON LT-UNK MANGANESE LT-P1 | END | MUL | REP NEOPRENE LT-UNK SILICON LT-UNK UNDISCLOSED LT-P1 | AOU | MSI | EYE | 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: Inherently non-emitting source per LEED®

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: 2018-01-05
PUBLISHED DATE: 2018-02-13
EXPIRY DATE: 2021-01-05
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

STEELCRAFT L SERIES DOOR WITH HONEYCOMB CORE

PRODUCT THRESHOLD: 1000 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were collected for all raw materials included in this product. All chemicals that fall above the stated threshold are included in this section.
OTHER PRODUCT NOTES:

**IRON**

<table>
<thead>
<tr>
<th>%</th>
<th>GB</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>93.5970</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Door Assembly</td>
</tr>
</tbody>
</table>

HAZARDS: AGENCY(IES) WITH WARNINGS:

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: This substance is part of the steel alloy matrix. Due to the commodity nature of steel, the status of recycled content is unknown.

**CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE)**

<table>
<thead>
<tr>
<th>% (Range)</th>
<th>GB</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.9610 - 3.1460</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Door Core</td>
</tr>
</tbody>
</table>

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the supplier’s formulation.

**PHENOL (PHENOL)**

<table>
<thead>
<tr>
<th>% (Range)</th>
<th>GB</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.7770 - 1.8140</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Door Core</td>
</tr>
</tbody>
</table>

HAZARDS: AGENCY(IES) WITH WARNINGS:

MAMMALIAN EU - R-phrases R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN EU - R-phrases R21 - Harmful in Contact with Skin
MAMMALIAN EU - R-phrases R22 - Harmful if Swallowed
MAMMALIAN EU - R-phrases R23 - Toxic by Inhalation (gas, vapour, dust/mist)
MAMMALIAN EU - R-phrases R24 - Toxic in Contact with Skin
<table>
<thead>
<tr>
<th>Substance</th>
<th>Notes</th>
<th>ID: 50-00-0</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORMALDEHYDE (FORMALDEHYDE)</td>
<td>A range is given to protect the proprietary nature of the supplier's formulation.</td>
<td></td>
</tr>
<tr>
<td>ID:</td>
<td>50-00-0</td>
<td></td>
</tr>
<tr>
<td>%:</td>
<td>1.1840 - 1.1990</td>
<td></td>
</tr>
<tr>
<td>GS:</td>
<td>LT-1</td>
<td></td>
</tr>
<tr>
<td>RC:</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>ROLE:</td>
<td>Door Core</td>
<td></td>
</tr>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
<td></td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>EU - R-phrases</td>
<td>R23 - Toxic by Inhalation (gas, vapour, dust/mist)</td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>EU - R-phrases</td>
<td>R24 - Toxic in Contact with Skin</td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>EU - R-phrases</td>
<td>R25 - Toxic if Swallowed</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - R-phrases</td>
<td>R34 - Causes burns</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - R-phrases</td>
<td>R40 - Limited Evidence of Carcinogenic Effects</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - R-phrases</td>
<td>R43 - May cause sensitization by skin contact</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (G) - generally accepted</td>
</tr>
<tr>
<td>CANCER</td>
<td>US EPA - IRIS Carcinogens</td>
<td>(1986) Group B1 - Probable human Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is Carcinogenic to humans</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be a human Carcinogen</td>
</tr>
</tbody>
</table>
### Mammalian EU - GHS (H-Statements)
- **H301** - Toxic if swallowed
- **H311** - Toxic in contact with skin
- **H314** - Causes severe skin burns and eye damage
- **H317** - May cause an allergic skin reaction
- **H331** - Toxic if inhaled
- **H341** - Suspected of causing genetic defects

### Skin Irritation EU - GHS (H-Statements)
- **H314** - Causes severe skin burns and eye damage

### Skin Sensitize EU - GHS (H-Statements)
- **H317** - May cause an allergic skin reaction

### Mammalian EU - GHS (H-Statements)
- **H331** - Toxic if inhaled

### Gene Mutation EU - GHS (H-Statements)
- **H341** - Suspected of causing genetic defects

### Cancer EU - GHS (H-Statements)
- **H350** - May cause cancer

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

### Endocrine TEDX - Potential Endocrine Disruptors
- **Potential Endocrine Disruptor**

### Multiple German FEA - Substances Hazardous to Waters
- **Class 3** - Severe Hazard to Waters

### Cancer MAK
- **Carcinogen Group 4** - Non-genotoxic carcinogen with low risk under MAK/BAT levels

### Skin Sensitize MAK
- **Sensitizing Substance Sh** - Danger of skin sensitization

### Mammalian US EPA - EPCRA Extremely Hazardous Substances
- **Extremely Hazardous Substances**

### Cancer Korea - GHS
- **Carcinogenicity - Category 1** [H350 - May cause cancer]

### Cancer EU - Annex VI CMRs
- **Carcinogen Category 1B** - Presumed Carcinogen based on animal evidence

### Cancer New Zealand - GHS
- **6.7A** - Known or presumed human carcinogens

### Cancer Japan - GHS
- **Carcinogenicity - Category 1A**

### Cancer Australia - GHS
- **H350i** - May cause cancer by inhalation

### Substance Notes:
A range is given to protect the proprietary nature of the supplier's formulation.

### Water

<table>
<thead>
<tr>
<th>%</th>
<th>0.9590</th>
<th>GS</th>
<th>BM-4</th>
<th>RC</th>
<th>None</th>
<th>NANO</th>
<th>No</th>
<th>ROLE: Door Assembly</th>
</tr>
</thead>
</table>

### HAZARDS:
**None Found**

No warnings found on HPD Priority lists

### Substance Notes:

### Carbon

<table>
<thead>
<tr>
<th>%</th>
<th>0.6270</th>
<th>GS</th>
<th>LT-UNK</th>
<th>RC</th>
<th>UNK</th>
<th>NANO</th>
<th>No</th>
<th>ROLE: Door Assembly</th>
</tr>
</thead>
</table>

### HAZARDS:
**None Found**

No warnings found on HPD Priority lists
### Manganese

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5690</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Door Assembly</td>
</tr>
</tbody>
</table>

**HAZARDS:**

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

- **MULTIPLE**
  - German FEA - Substances Hazardous to Waters
  - Class 2 - Hazard to Waters

- **REPRODUCTIVE**
  - Japan - GHS
  - Toxic to reproduction - Category 1B

**SUBSTANCE NOTES:** This substance is part of the steel alloy matrix. Due to the commodity nature of steel, the status of recycled content is unknown.

### Neoprene

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1840 - 0.3670</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Door Assembly</td>
</tr>
</tbody>
</table>

**HAZARDS:**

- None Found
- No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** A range is given to protect the proprietary nature of the supplier’s formulation.

### Silicon

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1480</td>
<td>LT-UNK</td>
<td>UNK</td>
<td>No</td>
<td>Door Assembly</td>
</tr>
</tbody>
</table>

**HAZARDS:**

- None Found
- No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** This substance is part of the steel alloy matrix. Due to the commodity nature of steel, the status of recycled content is unknown.

### Undisclosed

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0960 - 0.1610</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Door Assembly</td>
</tr>
</tbody>
</table>

**HAZARDS:**

- **CHRON AQUATIC**
  - EU - GHS (H-Statements)
  - H411 - Toxic to aquatic life with long lasting effects

- **SKIN IRRITATION**
  - EU - GHS (H-Statements)
  - H315 - Causes skin irritation

- **SKIN SENSITIZE**
  - EU - GHS (H-Statements)
  - H317 - May cause an allergic skin reaction

- **EYE IRRITATION**
  - EU - GHS (H-Statements)
  - H319 - Causes serious eye irritation

- **MULTIPLE**
  - German FEA - Substances Hazardous to Waters
  - Class 2 - Hazard to Waters

**SUBSTANCE NOTES:** This substance is part of the steel alloy matrix. Due to the commodity nature of steel, the status of recycled content is unknown.
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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2018-01-04</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>N/A</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

While the substances listed are specific to the L18 door with a honeycomb core, this HPD is representative of the full L series with honeycomb core due to similar formulations across the full series.

Section 6: References

MANUFACTURER INFORMATION

<table>
<thead>
<tr>
<th>MANUFACTURER:</th>
<th>Allegion</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS:</td>
<td>11819 N. Pennsylvania St. Carmel IN 46032, USA</td>
</tr>
<tr>
<td>WEBSITE:</td>
<td><a href="http://www.allegion.com">www.allegion.com</a></td>
</tr>
<tr>
<td>CONTACT NAME:</td>
<td>Tim Weller</td>
</tr>
<tr>
<td>TITLE:</td>
<td>Manager of Codes, Standards and Sustainability</td>
</tr>
<tr>
<td>PHONE:</td>
<td>317-810-3751</td>
</tr>
<tr>
<td>EMAIL:</td>
<td><a href="mailto:tim.weller@allegion.com">tim.weller@allegion.com</a></td>
</tr>
</tbody>
</table>
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.