Steelcraft L Series Door with Honeycomb Core
by Allegion

CLASSIFICATION: 08 11 00

PRODUCT DESCRIPTION: L Series doors are 1-3/4" (45mm) thick and offer a wide range of specifiable options covering sizes, core material, glass light designs, optional edge constructions and mechanical and electrical hardware preparations. Tested both internal and through certified third parties these doors provide the necessary performance to meet the broadest of opening needs. While the contents of this HPD cover the L18 door, it is representative of the full series of doors with a honeycomb core.

Section 1: Summary

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 (IRON) | LT-P1 | END
 | CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE) | NOGS | PHENOL (PHENOL) | LT-P1 | MAM | SKI | GEN |
 | CAN | MANGANESE (MANGANESE) | LT-P1 | CAN | Formaldehyde (FORMALDEHYDE) | LT-UNK | MUL | REP |
 | CAN | RES | GEN | MUL | END | WATER (WATER) | BM3 | CARBON (CARBON) | LT-UNK
 | MANGANESE (MANGANESE) | LT-P1 | END | MUL | REP | Neoprene (NEOPRENE) | LT-UNK | Silicon (SILICON) | LT-UNK
 | EPICHLOROHYDRIN-BISHIPHENOL A RESIN (EPICHLOROHYDRIN-BISHIPHENOL A RESIN) | LT-P1 | EYE | SKI | AQU | 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: 2018-01-10

EXPIRY DATE: 2021-01-05

Steelcraft L Series Door with Honeycomb Core
hprepository.hpd-collaborative.org

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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:

<table>
<thead>
<tr>
<th>IRON (IRON)</th>
<th>ID: 7439-89-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 93.5970</td>
<td>GB: LT-P1</td>
</tr>
<tr>
<td></td>
<td>RC: UNK</td>
</tr>
<tr>
<td>NANO: No</td>
<td>ROLE: Door Assembly</td>
</tr>
</tbody>
</table>

HAZARDS:

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.

<table>
<thead>
<tr>
<th>CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE)</th>
<th>ID: 9004-34-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 2.9610 - 3.1460</td>
<td>GB: NoGS</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
<td>ROLE: Door Core</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.

<table>
<thead>
<tr>
<th>PHENOL (PHENOL)</th>
<th>ID: 108-95-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 1.7770 - 1.8140</td>
<td>GB: LT-P1</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
<td>ROLE: Door Core</td>
</tr>
</tbody>
</table>

HAZARDS:

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>Mammalian</th>
<th>EU - R-phrases</th>
<th>R25 - Toxic if Swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irritation</td>
<td>EU - R-phrases</td>
<td>R34 - Causes burns</td>
</tr>
<tr>
<td>Organ Toxicant</td>
<td>EU - R-phrases</td>
<td>R48 - Danger of serious damage to health by prolonged exposure</td>
</tr>
<tr>
<td>Gene Mutation</td>
<td>EU - R-phrases</td>
<td>R68 - May cause irreversible effects</td>
</tr>
<tr>
<td>Mammalian</td>
<td>EU - GHS (H-Statements)</td>
<td>H301 - Toxic if swallowed</td>
</tr>
<tr>
<td>Mammalian</td>
<td>EU - GHS (H-Statements)</td>
<td>H311 - Toxic in contact with skin</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>EU - GHS (H-Statements)</td>
<td>H314 - Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>Mammalian</td>
<td>EU - GHS (H-Statements)</td>
<td>H331 - Toxic if inhaled</td>
</tr>
<tr>
<td>Gene Mutation</td>
<td>EU - GHS (H-Statements)</td>
<td>H341 - Suspected of causing genetic defects</td>
</tr>
<tr>
<td>Endocrine</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>Multiple</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
<tr>
<td>Cancer</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
<tr>
<td>Mammalian</td>
<td>US EPA - EPCRA Extremely Hazardous Substances</td>
<td>Extremely Hazardous Substances</td>
</tr>
<tr>
<td>Gene Mutation</td>
<td>New Zealand - GHS</td>
<td>6.6A - Known or presumed human mutagens</td>
</tr>
</tbody>
</table>

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

**FORMALDEHYDE (FORMALDEHYDE)**

**ID:** 50-00-0

<table>
<thead>
<tr>
<th>ID: 1.1840 - 1.1990</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Door Core</th>
</tr>
</thead>
</table>

**HAZARDS:**

- **Mammalian** EU - R-phrases R23 - Toxic by Inhalation (gas, vapour, dust/mist)
- **Mammalian** EU - R-phrases R24 - Toxic in Contact with Skin
- **Mammalian** EU - R-phrases R25 - Toxic if Swallowed
- **Skin Irritation** EU - R-phrases R34 - Causes burns
- **Cancer** EU - R-phrases R40 - Limited Evidence of Carcinogenic Effects
- **Skin Sensitize** EU - R-phrases R43 - May cause sensitization by skin contact
- **Respiratory** AOEC - Asthmagens Asthmagen (G) - generally accepted
- **Cancer** US EPA - IRIS Carcinogens (1986) Group B1 - Probable human Carcinogen
- **Cancer** IARC Group 1 - Agent is Carcinogenic to humans
- **Cancer** CA EPA - Prop 65 Carcinogen
- **Cancer** US CDC - Occupational Carcinogens Occupational Carcinogen
- **Cancer** US NIH - Report on Carcinogens Known to be a human Carcinogen
### 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

### Cancer EU - GHS (H-Statements)

- **H350** - May cause cancer

### Gene Mutation EU - GHS (H-Statements)

- **H341** - Suspected of causing genetic defects

### Endocrine EU - GHS (H-Statements)

- **H341** - Suspected of causing genetic defects

### Multiple ChemSec - Sin List

- CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

### Multiple 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 (Water)

- **ID:** 7732-18-5
- **%:** 0.9590
- **GS:** BM-4
- **RC:** None
- **NANO:** No
- **Role:** Door Assembly

### HAZARDS:

- **Agency(ies) with warnings:** None found
- **No warnings found on HPD Priority lists**

### Substance Notes:

No warnings found on HPD Priority lists

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### Carbon (Carbon)

- **ID:** 7440-44-0
- **%:** 0.6270
- **GS:** LT-UNK
- **RC:** UNK
- **NANO:** No
- **Role:** Door Assembly

### HAZARDS:

- **Agency(ies) with warnings:** None found
- **No warnings found on HPD Priority lists**

### Substance Notes:

No warnings found on HPD Priority lists
### Manganese (Manganese)

| %: | 0.5690 | GS: | LT-P1 | RC: | UNK | NANO: | No | ROLE: | Door Assembly |

**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 (Neoprene)

| %: | 0.1840 - 0.3670 | GS: | LT-UNK | RC: | None | NANO: | No | ROLE: | Door Assembly |

**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 (Silicon)

| %: | 0.1480 | GS: | LT-UNK | RC: | UNK | NANO: | No | ROLE: | Door Assembly |

**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.

### Epichlorohydrin-Bisphenol A Resin (Epichlorohydrin-Bisphenol A Resin)

| %: | 0.0960 - 0.1610 | GS: | LT-P1 | RC: | None | NANO: | No | ROLE: | Door Assembly |

**HAZARDS:**

**EYE IRRITATION**
EU - R-phrases
R36 - Irritating to eyes

**SKIN IRRITATION**
EU - R-phrases
R38 - Irritating to skin

**SKIN SENSITIZE**
EU - R-phrases
R43 - May cause sensitization by skin contact

**ACUTE AQUATIC**
EU - R-phrases
R51 - Toxic to Aquatic Organisms

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

**SUBSTANCE NOTES:**

Steelcraft L Series Door with Honeycomb Core

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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

| CERTIFYING PARTY: Self-declared | ISSUE DATE: 2018-01-04 | EXPIRY DATE: | CERTIFIER OR LAB: N/A |
| 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.

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

MANUFACTURER: Allegion
CONTACT NAME: Tim Weller
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 HPD and for compliance with the HPD standard noted.