**CLASSIFICATION:** 08 71 00

**PRODUCT DESCRIPTION:** A Mullion is a vertical frame member set in a double door opening which will allow both door leaves to be active. Mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover.

### Section 1: Summary

#### Basic Method / Product Threshold

**CONTENT INVENTORY**

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
</tr>
<tr>
<td></td>
<td>Per GHS SDS</td>
<td>Not Considered</td>
</tr>
<tr>
<td></td>
<td>Per OSHA MSDS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

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.

**VON DUPRIN MULLIONS**

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SUBSTANCE</th>
<th>RESIDUAL OR IMPURITY</th>
<th>GREENSCREEN SCORE</th>
<th>HAZARD TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRON</td>
<td>LT-P1</td>
<td>END</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARBON</td>
<td>LT-UNK</td>
<td>END</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COPPER</td>
<td>LT-UNK</td>
<td>END</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHROMIUM</td>
<td>LT-P1</td>
<td>RES</td>
<td>END</td>
<td></td>
</tr>
<tr>
<td>ALUMINA</td>
<td>TRIHYDRATE BM-2</td>
<td>RES</td>
<td>END</td>
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</tr>
<tr>
<td>SULFUR</td>
<td>LT-UNK</td>
<td>SKI</td>
<td>PHOSPHORUS BM-2</td>
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<tr>
<td>BARIUM</td>
<td>SULFATE BM-2</td>
<td>CAN</td>
<td>MANGANESE LT-P1</td>
<td>END</td>
</tr>
<tr>
<td></td>
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<td>END</td>
<td>MUL</td>
<td>REP NICKEL</td>
</tr>
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<td>END</td>
<td>TUNGSTEN METAL LT-UNK</td>
<td>TITANIUM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RES</td>
<td>GEN</td>
<td>MAM</td>
</tr>
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<td></td>
<td>SKI</td>
<td>SKI</td>
<td>MAM</td>
</tr>
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<td>MUL</td>
<td>MUL</td>
<td>TUNGSTEN METAL LT-UNK</td>
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<td></td>
<td></td>
<td>TITANIUM</td>
<td>DIOXIDE LT-1</td>
<td>CAN</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>END</td>
<td>TRIGLYCIDYL ISOCYANURATE (TGIC) LT-1</td>
</tr>
<tr>
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<td></td>
<td>GEN</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>SKI</td>
</tr>
<tr>
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<td>MUL SILICON LT-UNK</td>
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<td>TANALUM LT-UNK</td>
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<td>ALUMINUM LT-P1</td>
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<td>PHY TITANIUM LT-UNK</td>
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<td>GEN MICA</td>
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<td>SELENIUM LT-P1</td>
</tr>
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<td>MUL</td>
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<td>POTASSIUM LT-P1</td>
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<td>NITROGEN</td>
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</tbody>
</table>

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

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.

**CONSISTENCY WITH OTHER PROGRAMS**

- No pre-checks completed or disclosed.

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**VERIFICATION:**

- Third Party Verified?: Yes
- No

- PREPARER: Self-Prepared
- VERIFIER: Self-Prepared
- VERIFICATION #: Self-Prepared

**SCREENING DATE:** 2018-03-23
**PUBLISHED DATE:** 2018-04-06
**EXPIRY DATE:** 2021-03-23
## 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)

### Von Duprin Mullions

**Product Threshold:** 100 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>Substance</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>98.7130</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Body</td>
</tr>
<tr>
<td>Carbon</td>
<td>7440-44-0</td>
<td>0.2950</td>
<td>LT-UNK</td>
<td>UNK</td>
<td>No</td>
<td>Body</td>
</tr>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>0.1910</td>
<td>LT-UNK</td>
<td>UNK</td>
<td>No</td>
<td>Body</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>Substance</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHROMIUM</td>
<td>7440-47-3</td>
<td>0.1560</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Body</td>
<td>RESPIRATORY: AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ENDOCRINE: TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SKIN SENSITIZE: MAK Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
</tbody>
</table>

**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>Substance</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINA TRIHYDRATE</td>
<td>21645-51-2</td>
<td>0.0700</td>
<td>BM-2</td>
<td>None</td>
<td>No</td>
<td>Powder Coating</td>
<td>RESPIRATORY: AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SULFUR</td>
<td>7704-34-9</td>
<td>0.0620</td>
<td>LT-UNK</td>
<td>UNK</td>
<td>No</td>
<td>Body</td>
<td>SKIN IRRITATION: EU - GHS (H-Statements) H315 - Causes skin irritation</td>
</tr>
</tbody>
</table>

**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>Substance</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHOSPHORUS</td>
<td>7723-14-0</td>
<td>0.0496</td>
<td>BM-2</td>
<td>UNK</td>
<td>No</td>
<td>Body</td>
<td>MAMMALIAN: US EPA - EPCRA Extremely Hazardous Substances Extremely Hazardous Substances</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PHYSICAL HAZARD (REACTIVE): EU - GHS (H-Statements) H228 - Flammable solid</td>
</tr>
</tbody>
</table>

**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.
### Barium Sulfate

**ID:** 7727-43-7

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0200</td>
<td>BM-2</td>
<td>None</td>
<td>No</td>
<td>Powder Coating</td>
</tr>
</tbody>
</table>

**HAZARDS:**

**CANCER**

**AGENCY(IES) WITH WARNINGS:**

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

**SUBSTANCE NOTES:**

unknown.

### Manganese

**ID:** 7439-96-5

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0176</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Body</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.

### Nickel

**ID:** 7440-02-0

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0156</td>
<td>LT-1</td>
<td>UNK</td>
<td>No</td>
<td>Body</td>
</tr>
</tbody>
</table>

**HAZARDS:**

**CANCER**

- IARC
  - Group 1 - Agent is Carcinogenic to humans

- IARC
  - Group 2b - Possibly carcinogenic to humans

- CA EPA - Prop 65
  - Carcinogen

- US CDC - Occupational Carcinogens
  - Occupational Carcinogen

- US NIH - Report on Carcinogens
  - Reasonably Anticipated to be Human Carcinogen

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

- EU - GHS (H-statements)
  - H317 - May cause an allergic skin reaction

- EU - GHS (H-statements)
  - H351 - Suspected of causing cancer

- EU - GHS (H-statements)
  - H372 - Causes damage to organs through prolonged or repeated exposure

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

**MULTIPLE**

- German FEA - Substances Hazardous to Waters
  - Class 2 - Hazard to Waters
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>Role</th>
<th>Agency(ies) with warnings</th>
<th>Substance notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Waters</strong></td>
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<tr>
<td>CANCER</td>
<td>MAK</td>
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<td></td>
<td></td>
<td>Carcinogen Group 1 -</td>
<td>Substances that cause cancer in man</td>
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</tr>
<tr>
<td>RESPIRATORY</td>
<td>MAK</td>
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<td></td>
<td></td>
<td></td>
<td>Sensitizing Substance</td>
<td>Sah - Danger of airway &amp; skin sensitization</td>
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</tr>
<tr>
<td><strong>SUBSTANCE NOTES:</strong></td>
<td></td>
<td></td>
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<td>This substance is part of the steel alloy matrix. Due to the commodity nature of steel, the status of recycled content is unknown.</td>
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<tr>
<td><strong>TUNGSTEN METAL</strong></td>
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<td>None</td>
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<td>HAZARDS:</td>
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<td>None Found</td>
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<td>No warnings found on HPD Priority lists</td>
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<td><strong>SUBSTANCE NOTES:</strong></td>
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<td>This substance is part of the steel alloy matrix. Due to the commodity nature of steel, the status of recycled content is unknown.</td>
</tr>
<tr>
<td><strong>TITANIUM DIOXIDE</strong></td>
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<td>0.0100</td>
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<td>No</td>
<td>Powder Coating</td>
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<td>HAZARDS:</td>
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<td>Candidates list</td>
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<td>CANCER</td>
<td>US CDC -</td>
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<td>CA EPA -</td>
<td>Prop 65</td>
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<td>Carcinogen - specific to chemical form or exposure route</td>
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<tr>
<td></td>
<td>IARC</td>
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<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
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<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td></td>
<td>Potential Endocrine Disruptor</td>
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<tr>
<td>CANCER</td>
<td>MAK</td>
<td></td>
<td>Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>TRIGLYCIDYL ISOCYANurate (TGIC)</strong></td>
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<td>0.0100</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Powder Coating</td>
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<td></td>
</tr>
<tr>
<td>HAZARDS:</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td></td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
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<td></td>
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<tr>
<td>GENE MUTATION</td>
<td>EU - SVHC Authorisation List</td>
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<td>Mutagenic - Candidate list</td>
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</tr>
<tr>
<td>MAMMALIAN</td>
<td>EU - GHS (H-Statements)</td>
<td></td>
<td>H301 - Toxic if swallowed</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td></td>
<td>H317 - May cause an allergic skin reaction</td>
<td></td>
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</tr>
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<td>Hazard Type</td>
<td>Agency</td>
<td>Description</td>
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</tr>
<tr>
<td>Eye Irritation</td>
<td>EU - GHS (H-Statements)</td>
<td>H318 - Causes serious eye damage</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Mammalian</td>
<td>EU - GHS (H-Statements)</td>
<td>H331 - Toxic if inhaled</td>
<td></td>
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</tr>
<tr>
<td>Gene Mutation</td>
<td>EU - GHS (H-Statements)</td>
<td>H340 - May cause genetic defects</td>
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<td></td>
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</tr>
<tr>
<td>Gene Mutation</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Multiple</td>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Multiple</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory</td>
<td>MAK</td>
<td>Sensitizing Substance Sah - Danger of airway &amp; skin sensitization</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gene Mutation</td>
<td>Korea - GHS</td>
<td>Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gene Mutation</td>
<td>EU - Annex VI CMRs</td>
<td>Mutagen - Category 1B</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Gene Mutation</td>
<td>New Zealand - GHS</td>
<td>6.6A - Known or presumed human mutagens</td>
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<td></td>
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</tr>
<tr>
<td>Gene Mutation</td>
<td>Japan - GHS</td>
<td>Germ cell mutagenicity - Category 1B</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Substance Notes:**

**Silicon**

- ID: 7440-21-3
- %: 0.0095
- GS: LT-UNK
- RC: UNK
- NANO: No
- ROLE: Body

**Hazards:** None Found

**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.

**Molybdenum**

- ID: 7439-98-7
- %: 0.0083
- GS: LT-UNK
- RC: UNK
- NANO: No
- ROLE: Body

**Hazards:** None Found

**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.

**Niobium**

- ID: 7440-03-1
- %: 0.0074
- GS: LT-UNK
- RC: UNK
- NANO: No
- ROLE: Body

**Hazards:** None Found

**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.
### Tantalum

**ID:** 7440-25-7

**%:** 0.0074  
**GS:** LT-UNK  
**RC:** UNK  
**NANO:** No  
**ROLE:** Body

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
**CANCER**  
**MAK**  
Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

**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.

### Aluminum

**ID:** 7429-90-5

**%:** 0.0066  
**GS:** LT-P1  
**RC:** UNK  
**NANO:** No  
**ROLE:** Body

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
**RESPIRATORY**  
**AOEC - Asthmagens**  
**ENDOCRINE**  
**TEDX - Potential Endocrine Disruptors**  
**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:** This substance is part of the steel alloy matrix. Due to the commodity nature of steel, the status of recycled content is unknown.

### Titanium

**ID:** 7440-32-6

**%:** 0.0050  
**GS:** LT-UNK  
**RC:** UNK  
**NANO:** No  
**ROLE:** Body

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
**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.

### Vanadium

**ID:** 7440-62-2

**%:** 0.0025  
**GS:** LT-1  
**RC:** UNK  
**NANO:** No  
**ROLE:** Body
### HAZARDS:

<table>
<thead>
<tr>
<th>AGENCY(IES) WITH WARNINGS</th>
<th>CLASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTIPLE German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>CANCER MAK</td>
<td>Carcinogen Group 2 - Considered to be carcinogenic for man</td>
</tr>
<tr>
<td>GENE MUTATION MAK</td>
<td>Germ Cell Mutagen 2</td>
</tr>
</tbody>
</table>

**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.

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### MICA

**ID:** 12001-26-2

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0020</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Powder Coating</td>
</tr>
</tbody>
</table>

**HAZARDS:**

No Found

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:**

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### SELENIUM

**ID:** 7782-49-2

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
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<tbody>
<tr>
<td>0.0016</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Body</td>
</tr>
</tbody>
</table>

**HAZARDS:**

PBT OR DEQ - Priority Persistent Pollutants

Priority Persistent Pollutant - Tier 1

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

MAMMALIAN EU - GHS (H-Statements)

H301 - Toxic if swallowed

MAMMALIAN EU - GHS (H-Statements)

H331 - Toxic if inhaled

MULTIPLE German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**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.

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### POTASSIUM

**ID:** 7440-09-7

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0006</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Body</td>
</tr>
</tbody>
</table>

**HAZARDS:**

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements)

H260 - In contact with water releases flammable gases which may ignite spontaneously
SKIN IRRITATION
EU - GHS (H-Statements)
H314 - Causes severe skin burns and eye damage

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.

NITROGEN
ID: 7727-37-9

%: 0.0003
GS: NoGS
RC: UNK
NANO: No
ROLE: Body

HAZARDS:
AGENCY(IES) WITH WARNINGS:
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.
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.

No accessories are required for this product.

Section 5: General Notes

This HPD represents the Von Duprin 54 series steel mullion.
MANUFACTURER INFORMATION

MANUFACTURER: Allegion
ADDRESS: 2720 Tobey Dr.
Indianapolis IN 46219, USA
CONTACT NAME: Tim Weller
TITLE: Manager of Codes, Standards and Sustainability
PHONE: 317-810-3751
EMAIL: Tim.Weller@allegion.com

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
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.