Armstrong Suspension Systems Interlude
by Armstrong World Industries

CLASSIFICATION: 095300

PRODUCT DESCRIPTION: This dimensional 9/16" suspension system offers high-recycled content. Offers XL 2 staked-on end detail provides secure locked connection; Unmitered intersections for flexibility of cross tee placement. Accommodates virtually any fixture, especially 1’ x 4’ light fixtures and air handling units.

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 in 2 of 2 Materials
- Explanation(s) provided for Residuals/Impurities?
  - Yes
  - No

Are All Substances Above the Threshold Indicated:
- Characterized
  - Yes
  - No
- Percent Weight and Role Provided?
  - Yes
  - No
- Screened
  - Yes
  - No
- 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
--- | --- | --- | --- | ---
STEEL FOR SUSPENSION SYSTEMS | GALVANIZED STEEL [LT-UNK] | | |
COATING FOR SUSPENSION SYSTEMS | TITANIUM DIOXIDE [LT-1] | CAN | |
END |

INVENTORY AND SCREENING NOTES:
Residuals/impurities in select raw materials are quantitatively measured, and are displayed in the HPD when greater than 1000ppm.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT
VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE
- LCA: Environmental Product Declaration
- See Section 3 for additional listings.

CONSISTENCY WITH OTHER PROGRAMS
No pre-checks completed or disclosed

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #: 

SCREENING DATE: 2017-09-11
PUBLISHED DATE: 2017-09-11
EXPIRY DATE: 2020-09-11

Armstrong Suspension Systems Interlude
www.hpd-collaborative.org

HPD v2.1 created via HPDC Builder Page 1 of 5
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

<table>
<thead>
<tr>
<th>STEEL FOR SUSPENSION SYSTEMS</th>
<th>%: 95.0000 - 98.0000</th>
<th>HPD URL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD:</td>
<td>1000 ppm</td>
<td>RESIDUALS AND IMPURITIES CONSIDERED:</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
<td>Residuals/impurities in select raw materials are quantitatively measured, and are displayed in the HPD when greater than 1000ppm.</td>
<td></td>
</tr>
<tr>
<td>OTHER MATERIAL NOTES:</td>
<td>Residuals/impurities in select raw materials are quantitatively measured, and are displayed in the HPD when greater than 1000ppm.</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GALVANIZED STEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 95.0000 - 99.0000</td>
</tr>
<tr>
<td>HAZARDS:</td>
</tr>
<tr>
<td>None Found</td>
</tr>
<tr>
<td>SUBSTANCE NOTES:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COATING FOR SUSPENSION SYSTEMS</th>
<th>%: 1.0000 - 5.0000</th>
<th>HPD URL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD:</td>
<td>1000 ppm</td>
<td>RESIDUALS AND IMPURITIES CONSIDERED:</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
<td>Residuals/impurities in select raw materials are quantitatively measured, and are displayed in the HPD when greater than 1000ppm.</td>
<td></td>
</tr>
<tr>
<td>OTHER MATERIAL NOTES:</td>
<td>Coating on Steel Suspension Systems</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TITANIUM DIOXIDE</th>
<th>ID: 13463-67-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.1000 - 5.0000</td>
<td>GS: LT-1</td>
</tr>
<tr>
<td>HAZARDS:</td>
<td>AGENCY(IES) WITH WARNINGS:</td>
</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
</tr>
<tr>
<td>OCCUPATIONAL CARCINOGEN</td>
<td></td>
</tr>
<tr>
<td>CARCINOGEN - SPECIFIC TO CHEMICAL FORM OR EXPOSURE ROUTE</td>
<td></td>
</tr>
<tr>
<td>GROUP 2B - POSSIBLY CARCINOGENIC TO HUMANS - INHALED FROM OCCUPATIONAL SOURCES</td>
<td></td>
</tr>
<tr>
<td>CARCINOGEN GROUP 3A - EVIDENCE OF CARCINOGENIC EFFECTS BUT NOT SUFFICIENT TO ESTABLISH MAK/BAT VALUE</td>
<td></td>
</tr>
</tbody>
</table>
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.

LCA

<table>
<thead>
<tr>
<th>CERTIFYING PARTY: Third Party</th>
<th>Environmental Product Declaration</th>
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</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES: all</td>
<td>ISSUE DATE: 2016-03-31</td>
</tr>
<tr>
<td>CERTIFICATE URL: <a href="https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/interlude-xl-epd.pdf">https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/interlude-xl-epd.pdf</a></td>
<td>EXPIRY DATE: 2020-03-31</td>
</tr>
<tr>
<td>CERTIFIER OR LAB: UL Environment</td>
<td></td>
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</tbody>
</table>

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.

CEILING PANELS

<table>
<thead>
<tr>
<th>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</th>
</tr>
</thead>
</table>

| HPD URL | No HPD link provided |

Section 5: General Notes

Please find detailed information on this product at https://www.armstrongceilings.com/commercial/en-us/suspension-systems/interlude-xl-hrc-dimensional-grid.html Armstrong World Industries expresses no opinion to its applicability, suitability, or completeness of the declaration form or the standards and criteria utilized or referenced therein. Information provided by Armstrong World Industries herein is qualified in the entirety by reference to the product Safety Data Sheet (SDS), which can be located at www.armstrongceilings.com

Section 6: References

Armstrong Suspension Systems Interlude
www.hpd-collaborative.org
MANUFACTURER INFORMATION

MANUFACTURER: Armstrong World Industries

ADDRESS: 2500 Columbia Avenue
Lancaster PA 17603, USA

WEBSITE: www.armstrongceilings.com

CONTACT NAME: Armstrong Technical Services

TITLE: Techline

PHONE: 1-877-276-7876

EMAIL: techline@armstrong.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
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.