

CLASSIFICATION: 07 41 13 / 07 42 13 / 07 61 00 / 07 62 00 / 07 63 00 / 07 64 00

PRODUCT DESCRIPTION: Uncoated AEP Span Profiles. This reflects cold rolled products (steel without a metallic coating or paint finish) AEP Span manufactures roof and siding profiles using roll forming, press break, and folder operations. As this product is untreated or coated, cold rolled products are typically used in applications where the end user desires a naturally rusting appearance. The manufacturing process forms coiled steel into various product shapes but does not alter the material ingredient composition of the product. As a result the underlying substrate determines the contents of the product subject to screening. This HPD covers the assessment of the following AEP Span Products: 22-¾”, 30-3/16”, 37”, 37-1/2”, 42-15/16”, 46”, 48”, 48-3/8” Flat Sheets in 18-29 gauge, Box Rib™/Reversed Box Rib in 18-29 gauge, Design Span® hp 12”, 16”, 17”, 18” in 22-26 gauge, Flex Series in 20-24 gauge, Flush Panel in 20-26 gauge, HR-36® /Reverse HR-36 in 18-29 gauge, Narrow Batten Select Seam® in 22-24 gauge, Wide Batten Select Seam® in 22-24 gauge, Nu-Wave® Corrugated in 18-29 gauge, Mini-V-Beam™ in 18-26 gauge, Prestige Series® in 18-24 gauge, Perception Collection® in 20-24 gauge, Select Seam® in 18-24 gauge, Span-Lok™ / Span-Lok hp in 22-24 gauge, SpanSeam™ in 18-24 gauge, Super-Span in 20-29ga, TW-12 in 20-24 gauge, U-Panel in 20-29 gauge, C 1.4-32 (CF 1 3/8”) in 18-26 gauge, CP-32 in 18-26 gauge, and 41-9/16” Standard Perforated 33% in 26ga.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format ☐ Nested Materials Method ☒ Basic Method	Threshold level ☒ 100 ppm ☐ 1,000 ppm ☐ Per GHS SDS ☐ Per OSHA MSDS ☐ Other	Residuals/Impurities ☒ Considered ☐ Partially Considered ☐ Not Considered Explanation(s) provided for Residuals/Impurities? ☒ Yes ☐ No	<i>All Substances Above the Threshold Indicated Are:</i> Characterized ☐ Yes Ex/SC ☒ Yes ☐ No <i>% weight and role provided for all substances.</i> Screened ☐ Yes Ex/SC ☒ Yes ☐ No <i>All substances screened using Priority Hazard Lists with results disclosed.</i> Identified ☐ Yes Ex/SC ☒ Yes ☐ No <i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>
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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
COLD ROLLED STEEL [**IRON (IRON)** **LT-P1** | **END** **MANGANESE (MANGANESE)** **LT-P1** | **END** | **MUL** | **REP** **CARBON (CARBON)** **LT-UNK** **PHOSPHORUS (PHOSPHORUS)** **BM-2** | **PHY** | **MAM** **ALUMINUM (ALUMINUM)** **LT-P1** | **RES** | **PHY** | **END** **SULFUR (SULFUR)** **LT-UNK** | **SKI** **SILICON (SILICON)** **LT-UNK** **NICKEL** **LT-1** | **RES** | **CAN** | **SKI** | **MAM** | **MUL** **CHROMIUM** **LT-P1** | **RES** | **END** | **SKI**]

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:
All residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.

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 V1.2 (Section 01350/CHPS) Not Applicable

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

☒ Yes
☐ No

PREPARER: **Self-Prepared**
VERIFIER: **SCS Global Services**
VERIFICATION #: **qGE-2484**

SCREENING DATE: **2019-03-15**
PUBLISHED DATE: **2020-05-15**
EXPIRY DATE: **2022-03-15**



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

COLD ROLLED STEEL

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on direct testing conducted by steel suppliers via atomic absorption. Per best practice guidelines residuals and impurities above the reporting threshold of 100ppm with a GS score of BM-1, LT-1, LT-P1 or NoGS have been reported in the content inventory. Other residuals and impurities that might be present above 100ppm are Copper (0.1540% max), Molybdenium (0.0500% max), Tin (0.0500%) and Titanium (0.0100% max). Vanadium and/or Columbium may be present as residuals in steel below the inventory reporting threshold of 100ppm.	
OTHER PRODUCT NOTES: Cold rolled steel is not protected by any form of metallic coating or chemical passivates. It will weather and rust upon exposure to the elements.	

IRON (IRON)

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-03-15		
%: 98.14 - 99.00	GS: LT-P1	RC: UNK	NANO: No	ROLE: Physical Structure
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.				

MANGANESE (MANGANESE)

ID: 7439-96-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-03-15		
%: 0.15 - 1.20	GS: LT-P1	RC: UNK	NANO: No	ROLE: Physical Structure
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
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: Percentage is a range due to variations between specified steel chemistries and grades.				

CARBON (CARBON)

ID: 7440-44-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-15

%: 0.02 - 0.24 GS: LT-UNK RC: UNK NANO: No ROLE: Physical Structure

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.

PHOSPHORUS (PHOSPHORUS)

ID: 7723-14-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-15

%: 0.00 - 0.03 GS: BM-2 RC: UNK NANO: No ROLE: Physical Structure

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES: Percentage is a range to due to variations between specified steel chemistries and grades. Priority List of Hazardous Substances (rank 19).

ALUMINUM (ALUMINUM)

ID: 7429-90-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-15

%: 0.00 - 0.10 GS: LT-P1 RC: UNK NANO: No ROLE: Physical Structure

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades. The Priority List of Hazardous Substances (rank 179).

SULFUR (SULFUR)

ID: 7704-34-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-15

%: 0.00 - 0.04
 GS: LT-UNK
 RC: UNK
 NANO: No
 ROLE: Physical Structure

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation

SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.

SILICON (SILICON)
 ID: 7440-21-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
 HAZARD SCREENING DATE: 2019-03-15

%: 0.00 - 0.25
 GS: LT-UNK
 RC: UNK
 NANO: No
 ROLE: Physical Structure

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.

NICKEL
 ID: 7440-02-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
 HAZARD SCREENING DATE: 2019-03-15

%: Impurity/Residual
 GS: LT-1
 RC: UNK
 NANO: No
 ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly 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
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.

CHROMIUM

ID: 7440-47-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-15

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization		

SUBSTANCE NOTES: Percentage is a range due to variations between specified steel chemistries and grades.

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

CDPH Standard V1.2 (Section 01350/CHPS) Not Applicable

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2019-

EXPIRY DATE:

CERTIFIER OR LAB: NA

APPLICABLE FACILITIES: NA

03-15

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: CDPH Standard V1.2 (Section 01350/CHPS)- Not Applicable

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.

MISC. ACCESSORIES AND FASTENERS

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

A wide variety of fastener and accessory products can be used in conjunction with this product. These are not manufactured by AEP Span and will depend on the preferences of the field installer.

Section 5: General Notes

Residuals reported per chemical analysis by steel suppliers. This HPD covers the assessment of the following AEP Span Products: 22-3/4", 30-3/16", 37", 37-1/2", 42-15/16", 46", 48", 48-3/8" Flat Sheets in 18-29 gauge, Box Rib™/Reversed Box Rib in 18-29 gauge, Design Span® hp 12", 16", 17", 18" in 22-26 gauge, Flex Series in 20-24 gauge, Flush Panel in 20-26 gauge, HR-36® /Reverse HR-36 in 18-29 gauge, Narrow Batten Select Seam® in 22-24 gauge, Wide Batten Select Seam® in 22-24 gauge, Nu-Wave® Corrugated in 18-29 gauge, Mini-V-Beam™ in 18-26 gauge, Prestige Series® in 18-24 gauge, Perception Collection® in 20-24 gauge, Select Seam® in 18-24 gauge, Span-Lok™ / Span-Lok hp in 22-24 gauge, SpanSeam™ in 18-24 gauge, Super-Span in 20-29ga, TW-12 in 20-24 gauge, U-Panel in 20-29 gauge, C 1.4-32 (CF 1 3/8") in 18-26 gauge, CP-32 in 18-26 gauge, and 41- 9/16" Standard Perforated 33% in 26ga.



MANUFACTURER INFORMATION

MANUFACTURER: **ASC Profiles**

ADDRESS: **2110 Enterprise Blvd.**

West Sacramento CA 95691, US

WEBSITE: **www.aepspan.com**

CONTACT NAME: **Michelle Vondran**

TITLE: **Technical Manager**

PHONE: **909-484-4623**

EMAIL: **michelle.vondran@bluescope.us**

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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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.