Von Duprin Mullions by Allegion

Health Product Declaration v2.1

created via: HPDC Online Builder

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

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

Explanation(s) provided for Residuals/Impurities?

- ◉ Yes ○ No

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.

MATERIAL | SUBSTANCE | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE

VON DUPRIN MULLIONS [IRON LT-P1 | END CARBON LT-UNK COPPER LT-UNK CHROMIUM LT-P1 | RES | END | SKI ALUMINA TRIHYDRATE BM-2 | RES SULFUR LT-UNK | SKI PHOSPHORUS BM-2 | MAM | PHY BARIUM SULFATE BM-2 | CAN MANGANESE LT-P1 | END | MUL | REP NICKEL LT-1 | CAN | RES | SKI | MAM | MUL TUNGSTEN METAL LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END TRIGLYCIDYL ISOCYANURATE (TGIC) LT-1 | RES | GEN | MAM | SKI | EYE | MUL SILICON LT-UNK MOLYBDENUM LT-UNK NIOBIUM LT-UNK TANTALUM LT-UNK | CAN ALUMINUM LT-P1 | RES | END | PHY TITANIUM LT-UNK VANADIUM LT-1 | MUL | CAN | GEN MICA LT-UNK SELENIUM LT-P1 | PBT | AQU | MAM | MUL | CAN POTASSIUM LT-P1 | PHY | SKI NITROGEN NoGS]

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

See Section 3 for additional listings.

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

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

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:

IRON

ID: 7439-89-6

%: 98.7130 GS: LT-P1 RC: UNK NANO: No ROLE: Body

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.

CARBON

ID: 7440-44-0

%: 0.2950 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.

COPPER

ID: 7440-50-8

%: 0.1910 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.

CHROMIUM

ID: 7440-47-3

%: 0.1560 | GS: LT-P1 | RC: UNK | NANO: No | ROLE: Body

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

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.

ALUMINA TRIHYDRATE

ID: 21645-51-2

%: 0.0700 | GS: BM-2 | RC: None | NANO: No | ROLE: Powder Coating

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES:

SULFUR

ID: 7704-34-9

%: 0.0620 | GS: LT-UNK | RC: UNK | NANO: No | ROLE: Body

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation

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.

PHOSPHORUS

ID: 7723-14-0

%: 0.0496 | GS: BM-2 | RC: UNK | NANO: No | ROLE: Body

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid

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

%: **0.0200** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Powder Coating**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES:

MANGANESE

ID: 7439-96-5

%: **0.0176** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:	AGENCY(IES) WITH 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: 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

%: **0.0156** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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	Reasonably Anticipated to be Human Carcinogen
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
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	Class 2 - Hazard to Waters

	Waters	
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

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.

TUNGSTEN METAL

ID: 7440-33-7

%: **0.0130** GS: **LT-UNK** RC: **None** 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.

TITANIUM DIOXIDE

ID: 13463-67-7

%: **0.0100** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Powder Coating**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

TRIGLYCIDYL ISOCYANURATE (TGIC)

ID: 2451-62-9

%: **0.0100** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Powder Coating**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
GENE MUTATION	EU - SVHC Authorisation List	Mutagenic - Candidate list
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	Korea - GHS	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
GENE MUTATION	Japan - GHS	Germ cell mutagenicity - Category 1B

SUBSTANCE NOTES:

SILICON

ID: **7440-21-3**

%: **0.0095** 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.

MOLYBDENUM

ID: **7439-98-7**

%: **0.0083** 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.

NIOBIUM

ID: **7440-03-1**

%: **0.0074** 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.

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	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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:	AGENCY(IES) WITH WARNINGS:	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
GENE MUTATION	MAK	Germ Cell Mutagen 2

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.

MICA

ID: 12001-26-2

%: **0.0020** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Powder Coating**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SELENIUM

ID: 7782-49-2

%: **0.0016** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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.

POTASSIUM

ID: 7440-09-7

%: **0.0006** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Body**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Allegion**
ADDRESS: **2720 Tobey Dr.**
Indianapolis IN 46219, USA
WEBSITE:
https://us.allegion.com/content/dam/allegion-us-2/web-documents-2/Catalog/Von_Duprin_98.99_Series_Catalog_106590.pdf

CONTACT NAME: **Tim Weller**
TITLE: **Manager of Codes, Standards and Sustainability**
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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
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 (insuficient 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.