

CLASSIFICATION: 08 71 00

PRODUCT DESCRIPTION: Ives offers a variety of architectural hinges that will cover any need in residential and commercial applications while also exceeding code requirements. It is important to consider the door width, thickness, weight and clearance when choosing a hinge. With tested durability and consistent superior performance, Ives architectural hinges get the job done.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>Are All Substances Above the Threshold Indicated:</i>
☐ Nested Materials Method	☒ 100 ppm	☒ Considered	Characterized ☒ Yes ☐ No
☒ Basic Method	☐ 1,000 ppm	☐ Partially Considered	<i>Percent Weight and Role Provided?</i>
	☐ Per GHS SDS	☐ Not Considered	
Threshold Disclosed Per	☐ Per OSHA MSDS		Screened ☒ Yes ☐ No
☐ Material	☐ Other	Explanation(s) provided for Residuals/Impurities?	<i>Using Priority Hazard Lists with Results Disclosed?</i>
☒ Product		☒ Yes ☐ No	Identified ☒ Yes ☐ No
			<i>Name and Identifier Provided?</i>

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

IVES ARCHITECTURAL HINGES [IRON LT-P1 | END DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346 LT-P1 | PBT MANGANESE LT-P1 | END | MUL | REP CARBON LT-UNK ALUMINUM LT-P1 | RES | END | PHY PHOSPHORUS BM-2 | MAM | PHY SULFUR LT-UNK | SKI CHROMIUM LT-P1 | RES | END | SKI NICKEL LT-1 | CAN | RES | SKI | MAM | MUL 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:

Inventory is based on unfinished steel and stainless options of Allegion's Architectural hinge offering.

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

No pre-checks completed or disclosed.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2018-05-11
☐ Yes	VERIFIER:	PUBLISHED DATE: 2018-07-12
☒ No	VERIFICATION #:	EXPIRY DATE: 2021-05-11



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

IVES ARCHITECTURAL HINGES

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes
RESIDUALS AND IMPURITIES NOTES: Impurities in metal alloy and grease application rates are considered.	
OTHER PRODUCT NOTES:	

IRON					ID: 7439-89-6
%: 71.3000 - 99.6000	GS: LT-P1	RC: UNK	NANO: No	ROLE: Metal Alloy	
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. Given ranges are due to metal alloy options used for the product and variations in hinge styles.					

DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346					ID: 64742-52-5
%: 0.8000 - 0.9000	GS: LT-P1	RC: UNK	NANO: No	ROLE: Lubricant	
HAZARDS:	AGENCY(IES) WITH WARNINGS:				
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		
SUBSTANCE NOTES: Range based on the composition of hinge types and application rate.					

MANGANESE					ID: 7439-96-5
%: 0.2500 - 1.2500	GS: LT-P1	RC: UNK	NANO: No	ROLE: Metal Alloy	
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		

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. Given ranges are due to metal alloy options used for the product and variations in hinge styles.

CARBON

ID: 7440-44-0

?: **0.0500 - 1.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Metal Alloy**

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. Given ranges are due to metal alloy options used for the product and variations in hinge styles.

ALUMINUM

ID: 7429-90-5

?: **0.0400 - 0.0400** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Metal Alloy**

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. Given ranges are due to metal alloy options used for the product and variations in hinge styles.

PHOSPHORUS

ID: 7723-14-0

?: **0.0200 - 0.0300** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Metal Alloy**

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. Given ranges are due to metal alloy options used for the product and variations in hinge styles.

SULFUR

ID: 7704-34-9

%: 0.0000 - 0.0200	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Metal Alloy
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. Given ranges are due to metal alloy options used for the product and variations in hinge styles.				

CHROMIUM

ID: **7440-47-3**

%: 0.0000 - 20.0000	GS: LT-P1	RC: UNK	NANO: No	ROLE: Metal Alloy
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. Given ranges are due to metal alloy options used for the product and variations in hinge styles.				

NICKEL

ID: **7440-02-0**

%: 0.0000 - 8.5000	GS: LT-1	RC: UNK	NANO: No	ROLE: Metal Alloy
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 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		

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. Given ranges are due to metal alloy options used for the product and variations in hinge styles.

NITROGEN

ID: 7727-37-9

%: 0.0000 - 0.0400
GS: NoGS
RC: UNK
NANO: No
ROLE: Metal Alloy

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. Given ranges are due to metal alloy options used for the product and variations in hinge styles.

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

Inherently non-emitting source per LEED®

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **All**

07-12

CERTIFICATE URL:

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

Scope of inventory include Ives Architectural Hinges made of steel or stainless steel.



MANUFACTURER INFORMATION

MANUFACTURER: **Allegion**

ADDRESS: **2720 Tobey Dr.**

Indianapolis IN 46219, USA

WEBSITE:

<https://us.allegion.com/en/home/products/brands/ives.html>

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	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.