

**CLASSIFICATION:** 08 70 00

**PRODUCT DESCRIPTION:** Ives Protection Plates are available in a variety of sizes and finishes. The function of the product is to protect the door in areas where they are often hit. The categories of available products include kick plates, mop plates, stretcher plates and armor plates. Product categories differ in product size and/or where the product is installed on the door.

## 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**

**IVES STAINLESS STEEL PROTECTION PLATES [ IRON LT-P1 | END  
CHROMIUM LT-P1 | RES | END | SKI MANGANESE LT-P1 | END | MUL | REP  
SILICON LT-UNK CARBON LT-UNK PHOSPHORUS BM-2 | MAM | PHY  
SULFUR LT-UNK | SKI ALUMINUM LT-P1 | RES | END | PHY ]**

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

Contents highest concern GreenScreen  
Benchmark or List translator Score ... LT-P1

Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

This HPD considers the chemicals associated with the metal alloys used in the production of the stainless steel versions of Allegion protection plates. This includes kick plates, armor plates, stretcher plates and push plates. Customer requested finishes are not considered and may change the inventory listed on this HPD. No special conditions applied.

### 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: 2018-05-01

PUBLISHED DATE: 2018-05-01

EXPIRY DATE: 2021-05-01



# 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)

## IVES STAINLESS STEEL PROTECTION PLATES

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Partially

RESIDUALS AND IMPURITIES NOTES: Residuals from the manufacturing process were considered.

OTHER PRODUCT NOTES:

### IRON

ID: 7439-89-6

%: 66.0000 - 84.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Metal Alloy
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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.

### CHROMIUM

ID: 7440-47-3

%: 12.0000 - 20.0000	GS: LT-P1	RC: UNK	NANO: No	ROLE: Metal Alloy
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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.

### MANGANESE

ID: 7439-96-5

%: 1.0000 - 2.0000	GS: LT-P1	RC: UNK	NANO: No	ROLE: Metal Alloy
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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. Given ranges are due to metal alloy options used for the product.

### SILICON

ID: 7440-21-3

#: **0.8000 - 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.

### CARBON

ID: 7440-44-0

#: **0.0500 - 0.0800** 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.

### PHOSPHORUS

ID: 7723-14-0

#: **0.0300 - 0.0500** 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.

### SULFUR

ID: 7704-34-9

#: **0.0200 - 0.0300** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Metal Alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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.

**ALUMINUM**

ID: 7429-90-5

%: **0.0000 - 0.2500**GS: **LT-P1**RC: **UNK**NANO: **No**ROLE: **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.

## 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



## MANUFACTURER INFORMATION

MANUFACTURER: **Allegion**

ADDRESS: **2720 Tobey Dr.**

**Indianapolis IN 46219, USA**

WEBSITE:

**<https://us.allegion.com/en/home/products/categories/mechanical/ives-protection-plates.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

**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*

