

CLASSIFICATION: 08 74 00

PRODUCT DESCRIPTION: The HES 9600 series is a windstorm rated, surface mounted electric strike designed to accommodate rim exit devices with a 3/4" throw latchbolt. All components are completely encased with its 3/4" thick stainless steel housing, so no cutting on the frame is required for installation. It is field selectable for fail secure and fail safe operation, and for 12 or 24 VDC

Section 1: Summary

Nested Method / Material 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

Residuals/Impurities
Considered in 0 of 8 Materials

Explanation(s) provided
for Residuals/Impurities?
 Yes No

Are All Substances Above the Threshold Indicated:

Characterized

Percent Weight and Role Provided?

Yes No

Screened

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](#)

STAINLESS STEEL [STAINLESS STEEL UNK] ELECTRONIC [PRINTED CIRCUIT BOARD NoGS] KIT:MOLEX PIGTAIL 12 [NYLON 6 LT-UNK POLYVINYL CHLORIDE (PVC) LT-UNK] RES COPPER LT-P1] TUBING: HEAT SHRINK [2,5-FURANDIONE, POLYMER WITH 1-OCTADECENE LT-UNK] WIRE:4 WIRE PIGTAIL [NYLON 6 LT-UNK POLYVINYL CHLORIDE (PVC) LT-UNK] RES COPPER LT-P1] STEEL [IRON LT-UNK MANGANESE LT-P1] END NICKEL LT-1] MAM | CAN | SKI | AQU | RES ZINC LT-P1] AQU | RES | PHY] CONNECTOR: RECEPTACLE [FATTY ACIDS, C18-UNSATD., DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE LT-P1] MUL] CONNECTOR: DOLPHIN D [POLYVINYL CHLORIDE (PVC) LT-UNK] RES COPPER LT-P1]

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:

Residuals not considered as impacts are not considered to be significant

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

LCA: Environmental Product Declaration
Other: Declare Label

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2016-12-01

PUBLISHED DATE: 2018-05-29

EXPIRY DATE: 2019-12-01

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

STAINLESS STEEL

#: 91.0000 - 91.0000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES: Material found in the following components: SCREW: MS 1/4-20 X1; SCREW: MS 10-32 X 1; SCREW: MS 4-40 X 3/1; SCREW: 10-32 X 1/2 S; SCREW: 10-32 X 1/2 S; SCREW: 6-32 X 5/16-PH; BRACKET: 9600-SELECT; COVER:95/9600-630-VA; KEEPER: 9600 KEEPER; CHASSIS:95/9600-VAVE; LEVER: 9500-RELEASE-; SPRING: 9500 SOLENOI; SPRING: 9600-REL-LEV; SPRING: 9500-KEEPER

STAINLESS STEEL

ID: 12597-68-1

#: 100.0000 - 100.0000

GS: UNK

RC: None

NANO: No

ROLE: Stainless Steel

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Various

ELECTRONIC

#: 5.3200 - 5.3200

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES: Material found in the following components: SOLENOID:95/9600-RH; SOLENOID:95/9600-LH

PRINTED CIRCUIT BOARD

ID: Not Registered

#: 100.0000 - 100.0000

GS: NoGS

RC: None

NANO: No

ROLE: PCB

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No CAS number is assigned for electronic components

KIT:MOLEX PIGTAIL 12

#: 1.1500 - 1.1500

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

NYLON 6

ID: 25038-54-4

#: 50.0000 - 50.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: NYLON 6

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Electrical Component

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

#: 25.0000 - 25.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: POLYVINYL CHLORIDE (PVC)

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Electrical Component

COPPER

ID: 7440-50-8

#: 25.0000 - 25.0000

GS: LT-P1

RC: None

NANO: No

ROLE: COPPER

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

TUBING: HEAT SHRINK

%: 0.8700 - 0.8700

HPD URL:

MATERIAL THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: No
RESIDUALS AND IMPURITIES NOTES:	
OTHER MATERIAL NOTES:	

2,5-FURANDIONE, POLYMER WITH 1-OCTADECENE

ID: 25266-02-8

%: 100.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: 2,5-Furandione, polymer with 1-octadecene
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Tubing Component				

WIRE:4 WIRE PIGTAIL

%: 0.7700 - 0.7700

HPD URL:

MATERIAL THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: No
RESIDUALS AND IMPURITIES NOTES:	
OTHER MATERIAL NOTES:	

NYLON 6

ID: 25038-54-4

%: 50.0000 - 50.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: NYLON 6
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Electrical Component				

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%: 25.0000 - 25.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: POLYVINYL CHLORIDE (PVC)
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
RESPIRATORY	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced	
SUBSTANCE NOTES: Electrical Component				

COPPER

ID: 7440-50-8

%: 25.0000 - 25.0000	GS: LT-P1	RC: None	NANO: No	ROLE: COPPER
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Electrical Component				

STEEL

%: 0.7600 - 0.7600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: No
RESIDUALS AND IMPURITIES NOTES:	
OTHER MATERIAL NOTES: Material found in the following components: SCREW:10-32 X 3/16-S; SCREW:9500-8-32X1/4-	

IRON

ID: 7439-89-6

%: 95.0000 - 95.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Iron
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Structural Component				

MANGANESE

ID: 7439-96-5

%: 2.0000 - 2.0000 HAZARDS: ENDOCRINE	GS: LT-P1 AGENCY(IES) WITH WARNINGS: TEDX - Potential Endocrine Disruptors	RC: None	NANO: No	ROLE: Manganese Potential Endocrine Disruptor
---	--	-----------------	-----------------	---

SUBSTANCE NOTES: **Structural Component**

NICKEL

ID: 7440-02-0

%: 0.2000 - 0.2000 HAZARDS: MAMMALIAN CANCER SKIN SENSITIZE ORGAN TOXICANT ACUTE AQUATIC CANCER CANCER CANCER CANCER CANCER RESPIRATORY SKIN IRRITATION CANCER ORGAN TOXICANT CANCER RESPIRATORY	GS: LT-1 AGENCY(IES) WITH WARNINGS: EU - R-phrases EU - R-phrases EU - R-phrases EU - R-phrases EU - R-phrases IARC IARC CA EPA - Prop 65 US CDC - Occupational Carcinogens US NIH - Report on Carcinogens AOEC - Asthmagens EU - GHS (H-Statements) EU - GHS (H-Statements) EU - GHS (H-Statements) MAK MAK	RC: None	NANO: No	ROLE: Nickel R23 - Toxic by Inhalation (gas, vapour, dust/mist) R40 - Limited Evidence of Carcinogenic Effects R43 - May cause sensitization by skin contact R48: Danger of serious damage to health by prolonged exposure. R52 - Harmful to Aquatic Organisms Group 1 - Agent is Carcinogenic to humans Group 2b - Possibly carcinogenic to humans Carcinogen Occupational Carcinogen Reasonably Anticipated to be Human Carcinogen Asthmagen (ARs) - sensitizer-induced - inhalable forms only H317 - May cause an allergic skin reaction H351 - Suspected of causing cancer H372 - Causes damage to organs through prolonged or repeated exposure Carcinogen Group 1 - Substances that cause cancer in man Sensitizing Substance Sah - Danger of airway & skin sensitization
--	--	-----------------	-----------------	--

SUBSTANCE NOTES: **Structural Component**

ZINC

ID: 7440-66-6

%: 0.1500 - 9.1000 HAZARDS: ACUTE AQUATIC RESPIRATORY ACUTE AQUATIC CHRON AQUATIC PHYSICAL HAZARD (REACTIVE) PHYSICAL HAZARD (REACTIVE)	GS: LT-P1 AGENCY(IES) WITH WARNINGS: EU - R-phrases AOEC - Asthmagens EU - GHS (H-Statements) EU - GHS (H-Statements) EU - GHS (H-Statements) EU - GHS (H-Statements)	RC: None	NANO: No	ROLE: Zinc R50 - Very Toxic to Aquatic Organisms Asthmagen (ARs) - sensitizer-induced - inhalable forms only H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects H250 - Catches fire spontaneously if exposed to air H260 - In contact with water releases flammable gases which may ignite spontaneously
---	---	-----------------	-----------------	--

SUBSTANCE NOTES: **Structural Component**

CONNECTOR: RECEPTACLE

%: **0.0600 - 0.0600**

HPD URL:

MATERIAL THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

FATTY ACIDS, C18-UNSATD., DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE

ID: 68082-29-1

%: 100.0000 - 100.0000 HAZARDS: MULTIPLE	GS: LT-P1 AGENCY(IES) WITH WARNINGS: German FEA - Substances Hazardous to Waters	RC: None	NANO: No	ROLE: FATTY ACIDS, C18-UNSATD., DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE Class 2 - Hazard to Waters
--	--	-----------------	-----------------	---

CONNECTOR: DOLPHIN D

?: 0.0600 - 0.0600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

?: 50.0000 - 50.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: POLYVINYL CHLORIDE (PVC)

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Connector Component

COPPER

ID: 7440-50-8

?: 50.0000 - 50.0000

GS: LT-P1

RC: None

NANO: No

ROLE: COPPER

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Connector Component

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 Environmental Product Declaration

CERTIFYING PARTY: **Third Party**
APPLICABLE FACILITIES: **NA**
CERTIFICATE URL:
http://www.assaabloydss.com/Local/DSS/Sustainability/EPD/Mutual%20Listings/Locks%20and%20Hardware/128.1_ASSA%20ABLOY_mrEPD_HES9600SeriesElectric%20Strike.pdf
ISSUE DATE: 2015-05-01
EXPIRY DATE: 2016-05-01

CERTIFICATION AND COMPLIANCE NOTES:

OTHER Declare Label

CERTIFYING PARTY: **Third Party**
APPLICABLE FACILITIES: **NA**
CERTIFICATE URL:
<http://www.assaabloydss.com/Local/DSS/Sustainability/Declare/Declare%20Labels/HES%209600%20SERIES%20ELECTRIC%20STRIKE.jpg>
ISSUE DATE: 2015-10-01
EXPIRY DATE: 2016-10-01
CERTIFIER OR LAB: **ILFI**

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

Residuals not considered as impacts are not considered to be significant

MANUFACTURER INFORMATION

MANUFACTURER: **Assa Abloy**
 ADDRESS: **110 Sargent Drive**
New Haven CT 06511, United States
 WEBSITE: **www.assaabloydss.com/sustainability**

CONTACT NAME: **Amy Vigneux**
 TITLE: **Manager, Sustainable Building Solutions**
 PHONE: **2036035919**
 EMAIL: **amy.vigneux@assaabloy.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.