

HPD UNIQUE IDENTIFIER: 29145

CLASSIFICATION: 08 71 53 Security Door Hardware

PRODUCT DESCRIPTION: CLIQ technology integrates chip technology into mechanical locking cylinders and their corresponding keys. Locking cylinders and keys can thus communicate with one another without the need for wiring or a network. As a result, access or locking is controlled on two levels: through mechanical locking and through electronic identity. Data transmission is powered by an easily replaced standard battery. Features include: Non-volatile Memory Storing 750 Audit Events in the lock and 1,000 in the key; Power supplied by the key, no hard wiring required. Powered by an easily replaceable CR2330 Battery with 20,000 cycle battery life; Fits standard RIM and Mortise Housing as well as other various platforms; Available with RFID/PROX coil insert for dual use with HID compatible systems; Keys are electronically programmed to open only specific locks during a designated schedule; Audit information recorded in both the lock and key shows a time-and-date stamped record of every event, including authorized access and unauthorized attempts.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	All Substances Above the Threshold Indicated Are:
☒ Nested Materials Method	☐ 100 ppm	Considered in 4 of 4 Materials	Characterized ☒ Yes Ex/SC ☐ Yes ☐ No
☐ Basic Method	☒ 1,000 ppm	Explanation(s) provided	% weight and role provided for all substances except SC
Threshold Disclosed Per	☐ Per GHS SDS	for Residuals/Impurities?	substances characterized according to SC guidance.
☐ Material	☐ Other	☒ Yes ☐ No	Screened ☒ Yes Ex/SC ☐ Yes ☐ No
☒ Product			All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.
			Identified ☒ Yes Ex/SC ☐ Yes ☐ No
			All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC guidance.

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.	Number of Greenscreen BM-4/BM3 contents ... 0
MATERIAL SUBSTANCE RESIDUAL OR IMPURITY	Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
GREENSCREEN SCORE HAZARD TYPE	Nanomaterial ... No
BRASS [BRASS NoGS] STAINLESS STEEL [STAINLESS STEEL NoGS] STEEL [IRON LT-P1 END MANGANESE LT-P1 END MUL REP NICKEL LT-1 CAN RES MUL SKI MAM ZINC LT-P1 END MUL PHY AQU] SC:ELECTRONICS:ELECTRONICS [SC:PRINTED CIRCUIT BOARD AND MOTOR Not Screened]	INVENTORY AND SCREENING NOTES:
	Special conditions applied: Electronics
	[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.
	This product was screened to the 1000 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: VOC Emissions
	LCA: Environmental Product Declaration
	CONSISTENCY WITH OTHER PROGRAMS
	Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2022-07-08
☐ Yes	VERIFIER:	PUBLISHED DATE: 2022-07-08
☒ No	VERIFICATION #:	EXPIRY DATE: 2025-07-08

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

BRASS		%: 96.4169		
PRODUCT THRESHOLD: 1000 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes		MATERIAL TYPE: Metal
RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to be below the 1000 ppm threshold.				
OTHER MATERIAL NOTES: Material found in the following components: Plug; 1-1/8" Mortise shell mach; Mortise Cam Retainer; Tumble pin; and Driver pin				
BRASS		ID: 12597-71-6		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-08 13:11:48		
%: 100.0000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Brass Cylinder Component.				

STAINLESS STEEL		%: 1.6529		
PRODUCT THRESHOLD: 1000 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes		MATERIAL TYPE: Metal
RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to be below the 1000 ppm threshold.				
OTHER MATERIAL NOTES: Material found in the following components: Security Pin; #2-56 x 3/16 screw; Reset Pin Spring; Sidebar Spring; Friction Spring; Sidebar Vertical; Reset Pin; Actuator Vert; 8-32 x 1/8 Set screw; Tumbler spring; Driver Pin				
STAINLESS STEEL		ID: 12597-68-1		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-08 13:11:48		
%: 100.0000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Various				

STEEL		%: 1.2286	
PRODUCT THRESHOLD: 1000 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Metal
RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to be below the 1000 ppm threshold.			

IRON				ID: 7439-89-6	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-08 13:11:49			
%: 95.0000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
SUBSTANCE NOTES: Structural Component					

MANGANESE				ID: 7439-96-5
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-08 13:11:49		
%: 2.0000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
REP	GHS - Japan		H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]	
SUBSTANCE NOTES: Structural Component				

NICKEL			ID: 7440-02-0		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-08 13:11:50		
%: 0.2000	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
SUBSTANCE NOTES: Structural Component		

ZINC

ID: 7440-66-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-08 13:11:50		
%: 0.1500 - 9.1000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]		
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]		
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]		
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]		

SC:ELECTRONICS:ELECTRONICS %: 0.6112

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Electronic Component

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered and determined to be below the 1000 ppm threshold.

OTHER MATERIAL NOTES: SpecialConditionApplied:Electronics --- Includes the electronic circuit board assembly and the motor.

The electronic circuit board assembly and the motor both have RoHS certifications.

SC:PRINTED CIRCUIT BOARD AND MOTOR ID: SC:Electronics

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: Not Screened

%: 100.0000 GS: Not Screened RC: None NANO: No SUBSTANCE ROLE: Electronic component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening not performed		

SUBSTANCE NOTES:
Version: SCElec/2018-02-23
Brief Description: Printed circuit board enables electronic operation and control of the product assembly. Motor is required for power driven functionality.
Compliance: RoHS Compliant
Takeback Program: Medeco has an established takeback program for all products.

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	VOC Emissions		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: All facilities. CERTIFICATE URL:	ISSUE DATE: 2022-07-08	EXPIRY DATE:	CERTIFIER OR LAB: Self-Declared
CERTIFICATION AND COMPLIANCE NOTES: Inherently non-emitting source per LEED®.			
LCA	Environmental Product Declaration		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All Facilities. CERTIFICATE URL: https://spot.ul.com/	ISSUE DATE: 2021-11-02	EXPIRY DATE: 2026-11-02	CERTIFIER OR LAB: ULE
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

This Health Product Declaration was prepared by Sustainable Solutions Corporation of Royersford, Pennsylvania on behalf of ASSA ABLOY Door Group.

MANUFACTURER INFORMATION

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

CONTACT NAME: Amy Musanti
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The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.