

CLASSIFICATION: 08 71 00

PRODUCT DESCRIPTION: MEDECO CLIQ MORTISE CYLINDER USES LOCAL WIRELESS COMMUNICATION BETWEEN THE LOCK AND A COMMUNICATIONS HUB TO CONNECT TO AN ONLINE ELECTRONIC ACCESS CONTROL SYSTEM. FEATURES INCLUDE: NON-VOLATILE MEMORY STORING 750 AUDIT EVENTS IN THE LOCK AND 1,000 IN THE KEYCAP; POWER SUPPLIED BY THE KEY, NO HARD WIRING REQUIRED. POWERED BY AN EASILY REPLACEABLE CR2025 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**

**CONTENT INVENTORY**

Threshold per material	Residuals and impurities considered in
<input type="radio"/> 100 ppm	0 of 7 materials
<input checked="" type="radio"/> 1,000 ppm	<input checked="" type="radio"/> see Section 2: Material
<input type="radio"/> Per GHS SDS	Notes
<input type="radio"/> Per OSHA MSDS	<input type="radio"/> see Section 5: General
<input type="radio"/> Other	Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input type="radio"/> Yes <input type="radio"/> No
Are the Percent Weight and Role provided for all substances?	Yes No
Screened.....	<input type="radio"/> Yes <input type="radio"/> No
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes No
Identified.....	<input type="radio"/> Yes <input type="radio"/> No
Are all substances disclosed by Name (Specific or Generic) and Identifier?	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**

BRASS [ BRASS ] STEEL [ IRON **LT-UNK** MANGANESE **LT-P1** | END NICKEL **LT-1** | MAM | CAN | SKI | AQU | RES ZINC **LT-P1** | AQU | RES | PHY ] STAINLESS STEEL [ STAINLESS STEEL ] ELECTRONIC COPPER WIRE [ COPPER **LT-P1** ] PLASTIC [ BENZENE, 1,4-DICHLORO-, POLYMER WITH SODIUM SULFIDE (NA2S) **LT-UNK** GLASS / MINERAL FIBER **LT-UNK** LIMESTONE; CALCIUM CARBONATE **LT-UNK** CARBON BLACK **LT-1** | CAN ] SPRING CONTACT ASSEMBLY [ BRASS BERYLLIUM **LT-1** | MAM | EYE | SKI | CAN | AQU | MUL | RES STAINLESS STEEL POLY(OXYMETHYLENE),\_-ACETYL\_- (ACETYLOXY)- **LT-UNK** 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**

VOC Content data is not applicable for this product category.

Self-Published\* VERIFIER: SCREENING DATE: May 11, 2016 EXPIRY DATE\*: May 11, 2019  
 Third Party Verified VERIFICATION #: RELEASE DATE: May 11, 2016 \* or within 3 months of significant change in product contents

\*See HPDC website for details

## Section 2: Content in Descending Order of Quantity

**Brass** **%: 95.74 - 95.74** **HPD URL:**  
 Inventory Threshold: 1000 ppm Residuals Considered: No  
 Material Notes: Material found in the following components: Plug; 1-1/8" Moritse shell mach; Mortise Cam Retainer; Tumble pin; and Driver pin

**Brass** **ID: 12597-71-6**  
 %: 100.00 - 100.00 GS: RC: None NANO: NO ROLE: Brass

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

**Steel** **%: 2.34 - 2.34** **HPD URL:**  
 Inventory Threshold: 1000 ppm Residuals Considered: No  
 Material Notes: Material found in the following components: Cyl PCB Cover; Security Plate; and Cam

**IRON** **ID: 7439-89-6**  
 %: 95.00 - 95.00 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**  
 %: 2.00 - 2.00 GS: LT-P1 RC: None NANO: NO ROLE: Manganese

**HAZARDS: AGENCY(IES) WITH WARNINGS:**  
 ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor  
 SUBSTANCE NOTES: Structural Component

**Nickel** **ID: 7440-02-0**  
 %: 0.20 - 0.20 GS: LT-1 RC: None NANO: NO ROLE: Nickel

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms
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 IRRITATION	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
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Structural Component

**ZINC** **ID: 7440-66-6**  
 %: 0.15 - 9.10 GS: LT-P1 RC: None NANO: NO ROLE: Zinc

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
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
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

**Stainless Steel**

%: 1.23 - 1.23

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

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

%: 100.00 - 100.00 GS: 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**

%: 0.59 - 0.59

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: Material found in the following components: Cylinder Printed Circuit Board; and Motor

**Copper Wire**

%: 0.09 - 0.09

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes:

**COPPER**

ID: 7440-50-8

%: 100.00 - 100.00 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: Wire Component

**Plastic**

%: 0.06 - 0.06

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: Material found in the following components: Motor Cover; and Reset Pin Cover

**Benzene, 1,4-dichloro-, polymer with sodium sulfide (Na2S)**

ID: 26125-40-6

%: 30.00 - 40.00

GS: LT-UNK

RC: None

NANO: NO

ROLE: Benzene, 1,4-dichloro-, polymer with sodium sulfide (Na2S)

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cylinder Component

**GLASS / MINERAL FIBER**

ID: 65997-17-3

%: 30.00 - 40.00 GS: LT-UNK RC: None NANO: NO ROLE: GLASS / MINERAL FIBER

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cylinder Component

**LIMESTONE; CALCIUM CARBONATE**

ID: 1317-65-3

%: 25.00 - 35.00

GS: LT-UNK

RC: None

NANO: NO

ROLE: LIMESTONE; CALCIUM CARBONATE

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cylinder Component

**CARBON BLACK**

ID: 1333-86-4

%: 2.00 - 2.00

GS: LT-1

RC: None

NANO: NO

ROLE: CARBON BLACK

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

CANCER US CDC - Occupational Carcinogens Occupational Carcinogen

CANCER CA EPA - Prop 65

Carcinogen (airborne particles of respirable size - occupational setting)

CANCER IARC

Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources

CANCER MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Cylinder Component

**Spring Contact Assembly**

%: 0.03 - 0.03

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes:

**Brass**

ID: 12597-71-6

%: 20.00 - 20.00 GS: RC: None NANO: NO ROLE: Brass

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Spring Assembly Component

**BERYLLIUM**

**ID: 7440-41-7**

%: 20.00 - 20.00 GS: LT-1 RC: None NANO: NO ROLE: BERYLLIUM

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
MAMMALIAN	EU - R-phrases	R25 - Toxic if Swallowed
MAMMALIAN	EU - R-phrases	R26 - Very Toxic by Inhalation
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
CANCER	EU - R-phrases	R49 - May cause cancer by inhalation
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
CANCER	US EPA - IRIS Carcinogens	(1996) Known/likely human Carcinogen
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
CANCER	EU - GHS (H-Statements)	H350i - May cause cancer by inhalation
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: Spring Assembly Component

**Stainless Steel**

**ID: 12597-68-1**

%: 20.00 - 20.00 GS: RC: None NANO: NO ROLE: Stainless Steel

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Spring Assembly Component

**Poly(oxymethylene), \_-acetyl-\_(acetyloxy)-**

**ID: 25231-38-3**

%: 20.00 - 20.00 GS: LT-UNK RC: None NANO: NO ROLE: Poly(oxymethylene), \_-acetyl-\_(acetyloxy)-

**HAZARDS: AGENCY(IES) WITH WARNINGS:**

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Spring Assembly Component

**COPPER**

**ID: 7440-50-8**

%: 20.00 - 20.00 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: Spring Assembly 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

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: NA

CERTIFICATE URL:

[http://www.assaabloydss.com/Local/DSS/Sustainability/EPD/Mutual%20Listings/Locks%20and%20Hardware/145%201\\_ASSA%20ABLOY\\_mrEPD\\_Mede](http://www.assaabloydss.com/Local/DSS/Sustainability/EPD/Mutual%20Listings/Locks%20and%20Hardware/145%201_ASSA%20ABLOY_mrEPD_Mede)

CERTIFICATION AND COMPLIANCE NOTES:

#### OTHER

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: NA

CERTIFICATE URL:

<http://www.assaabloydss.com/Local/DSS/Sustainability/Declare/Declare%20Labels/MEDECO%203%20CLIQ%20MORTISE%20CYLINDER.jpg>

CERTIFICATION AND COMPLIANCE NOTES:

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## 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.

## Section 5: General Notes

Residuals not considered as impacts are not considered to be significant

### MANUFACTURER INFORMATION

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### 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  
Benchmark 2 (use but search for safer substitutes)      **LT-UNK** List Translator Benchmark Unknown (insufficient  
**BM-1** Benchmark 1 (avoid - chemical of high concern)      information from List Translator lists to benchmark)  
**BM-U** Benchmark Unspecified (insufficient data to benchmark)      **UNK** 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

**Nano** Composed of nanoscale particles or nanotechnology

#### Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)  
**Independent Lab** Manufacturer's self-declaration using results from an independent lab  
**Second Party** Verification by trade association or other interested party  
**Third Party** Verification by independent certifier  
**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.