

**CLASSIFICATION:** 08 42 33 - Revolving Door Entrances

**PRODUCT DESCRIPTION:** Revolving doors represent an alternative entrance option that minimizes airflow between the outside and inside while allowing for continuous traffic flow. A revolving door can also create a sealed barrier at the building envelope, reducing the load on HVAC systems and saving energy in the process. The Crane AL series uses an aluminum sub frame construction. The 1000 series utilizes bolted construction methods throughout. The 2000 series canopy and enclosure are formed and welded, and retain traditional clad construction for door leaves. The 3000 series is the premium design, and utilizes fully formed and welded construction methods throughout. The heavy-duty hardware used in all Crane revolving doors complies with all state and federal requirements for providing emergency egress. The Crane manual revolving door utilizes a fully adjustable mechanical speed control which meets governing building codes and requires no electrical connection. All Crane revolving doors are furnished with factory-made seals, which provide a durable dynamic barrier between inside and outside environments.

## 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

All Substances Above the Threshold Indicated Are:

**Characterized**  Yes Ex/SC  Yes  No  
% weight and role provided for all substances.

**Screened**  Yes Ex/SC  Yes  No  
One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.

**Identified**  Yes Ex/SC  Yes  No  
One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow 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.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

**CRANE AL 1000/2000/3000 - MANUAL REVOLVING DOOR [ SOLID / PLATE GLASS LT-UNK ALUMINUM NoGS STEEL NoGS BRONZE NoGS STYRENE BUTADIENE RUBBER (SBR) LT-UNK LUBRICATING OILS LT-1 | PBT | CAN | MUL STAINLESS STEEL NoGS HORSEHAIR UNK ]**

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:

This HPD was created with Basic Inventory. Substances are listed by weight in the entire product instead of by material. All substances over 1000 ppm or 100 ppm of the product are reported.

### 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: N/A

LCA: Environmental Product Declaration

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-05-04

PUBLISHED DATE: 2020-05-04

EXPIRY DATE: 2023-05-04





# 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

## CRANE AL 1000/2000/3000 - MANUAL REVOLVING DOOR

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected in these materials at or above the inventory threshold. dormakaba products consist of finished components, and no chemical reactions are needed to develop our products.

OTHER PRODUCT NOTES: -

### SOLID / PLATE GLASS

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-04

#: 43.34 - 43.34

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Leaves

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: -

### ALUMINUM

ID: 91728-14-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-04

#: 35.61

GS: NoGS

RC: Both

NANO: No

ROLE: Canopy and profiles

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The hazards associated with aluminum are dependent upon the form in which aluminum is provided. As aluminum is inert upon receipt by dormakaba and unlikely to leach from the product into the environment, the risk of exposure to aluminum components is negligible and the listed hazards can be deemed irrelevant to the end-user.

### STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-04

#: 11.53 - 11.53

GS: NoGS

RC: Both

NANO: No

ROLE: Speed control and shaft

| HAZARD TYPE        | AGENCY AND LIST TITLES | WARNINGS                                       |
|--------------------|------------------------|--|
| None found         |                        | No warnings found on HPD Priority Hazard Lists |
| SUBSTANCE NOTES: - |                        |  |

## BRONZE

ID: 12597-70-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-04**

#: **6.70 - 6.70** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Wing folding mechanism and shaft base**

| HAZARD TYPE        | AGENCY AND LIST TITLES | WARNINGS                                       |
|--------------------|------------------------|--|
| None found         |                        | No warnings found on HPD Priority Hazard Lists |
| SUBSTANCE NOTES: - |                        |  |

## STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-04**

#: **2.38 - 2.38** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Weatherstripping**

| HAZARD TYPE        | AGENCY AND LIST TITLES | WARNINGS                                       |
|--------------------|------------------------|--|
| None found         |                        | No warnings found on HPD Priority Hazard Lists |
| SUBSTANCE NOTES: - |                        |  |

## LUBRICATING OILS

ID: 74869-22-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-04**

#: **0.31** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Hydraulic oil**

| HAZARD TYPE | AGENCY AND LIST TITLES     | WARNINGS   |
|-------------|----------------------------|--|
| PBT         | EC - CEPA DSL              | Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans                             |
| CANCER      | EU - GHS (H-Statements)    | H350 - May cause cancer  |
| 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      | EU - Annex VI CMRs         | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence                          |
| CANCER      | GHS - Australia            | H350 - May cause cancer  |

SUBSTANCE NOTES: Hydraulic fluid used to regulate door closing speed. Users operating the door are not exposed to the oil, which is fully contained by the metal encasement of the closer. As such, the actual risks associated with the closer's installation and use in a building are minimal and the listed hazards can be deemed irrelevant to the end-user.

## STAINLESS STEEL

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-05-04**

#: **0.08 - 0.08**

GS: **NoGS**

RC: **Both**

NANO: **No**

ROLE: **Wing folding mechanism**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: -

## HORSEHAIR

ID: **Not registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-05-04**

#: **0.05 - 0.05**

GS: **UNK**

RC: **UNK**

NANO: **No**

ROLE: **Brushes**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: **Bio-based material**

## 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

N/A

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **This HPD is for a product that is NOT liquid/wet applied.**

**05-04**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

### LCA

### Environmental Product Declaration

CERTIFYING PARTY: **Third Party**

ISSUE

EXPIRY

CERTIFIER

APPLICABLE FACILITIES: **Illinois, USA**

DATE:

DATE:

OR LAB:

CERTIFICATE URL:

**2017-**

**2022-**

**Institut**

**<https://www.dormakaba.com/resource/blob/60552/513e3bcfcfcab2367a4613a968d9d7e4/epd-crane-al-1000-2000-3000-manual-en-data.pdf>**

**04-24**

**04-23**

**Bauen**

**und**

**Umwelt**

**e.V.**

**(IBU)**

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

dormakaba has resulted from the merger of the two well-established brands Dorma and Kaba, both known for their expertise in the area of smart and secure access solutions. Together we stand for more than 150 years of security and reliability. Our master brand dormakaba stands for our offering of products, solutions and services for secure access to buildings and rooms from a single source. Our global brand power supports us to become the trusted industry leader. For more information, please go to: [www.dormakaba.com](http://www.dormakaba.com). The information contained in this HPD is to be used only as a voluntary information on our products. dormakaba makes no representation or warranty as to the completeness or accuracy of the information contained herein. The products and specifications set forth in this HPD are subject to change without notice and dormakaba disclaims any and all liability for such changes. The information contained herein is provided without warranties of any kind, either express or implied, and dormakaba disclaims any and all liability for typographical, printing, or production errors or changes affecting the specifications contained herein. dormakaba **DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT**

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## MANUFACTURER INFORMATION

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MANUFACTURER: **dormakaba**

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## KEY

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**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 HPD and for compliance with the HPD standard noted.*