

**CLASSIFICATION:** 07 72 33 Thermal and Moisture Protection: Roof Hatches

**PRODUCT DESCRIPTION:** Roof Hatches provide safe and convenient access to commercial building roof areas using interior ladders and stairs. Single door and double door Equipment Roof Hatch are engineered to accommodate extra large equipment access through roofs. With options like curb mounts, heights and finishes, Babcock-Davis is sure to meet your equipment servicing needs. Equipment Roof Hatches are available with single or double door; in Aluminum, Steel or Stainless Steel (Babcock-Davis Models BRHEA, BRHEB, BRHEG, BRHES).

## 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

*All substances screened using Priority Hazard Lists with results disclosed.*

**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**

**EQUIPMENT ROOF HATCH [ UNS A95052 ALUMINUM ALLOY NoGS STEEL**

**NoGS POLYISOCYANURATE FOAM LT-UNK POLYSTYRENE LT-UNK**

**CELLULOSE PULP NoGS CARBON BLACK BM-1 | CAN**

**ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) LT-UNK ZINC LT-**

**P1 | AQU | PHY | END | MUL LIMESTONE, CALCIUM CARBONATE LT-UNK**

**ALUMINA TRIHYDRATE BM-2 | RES FERRIC OXIDE BM-1 | CAN TITANIUM**

**DIOXIDE LT-1 | CAN | END RESIN BINDER NoGS ]**

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

Contents highest concern GreenScreen

Benchmark or List translator Score ... BM-1

Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1.1, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight. Substances not "Identified" are those considered proprietary to suppliers.

### 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: CDPH Standard Method - Not tested

#### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-02-18

PUBLISHED DATE: 2020-02-19

EXPIRY DATE: 2023-02-18



# 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)

## EQUIPMENT ROOF HATCH

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered by following the suggestions of Emerging Best Practices. More than 95% of this product consists of metal alloys, for which Pharos CML may consider the various alloying elements as "Known or Potential Residuals". Therefore, these components have been included in the Substance Notes instead of as individual content entries. Components are listed by name, CASRN, percent by weight (as per supplier SDS), and relevant GreenScreen score.

OTHER PRODUCT NOTES: Percent by weight of substances given as ranges to account for material differences between product lines.

### UNS A95052 ALUMINUM ALLOY

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-18

#: 61.00 - 63.00

GS: NoGS

RC: Both

NANO: No

ROLE: Base Metal

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Curb and Cover, Channel, Mixed Hardware. Recycled content of Aluminum confirmed by supplier to range from 5% to about 60%, with typical recycled content of 35%. Documentation from supplier provides the following composition for alloy ingelements that may individually exceed the declared threshold: <6.6% Magnesium [7439-95-4; LT-UNK]; <1.5% Silicon [7440-21-3; LT-UNK]; <1.8% Iron [7439-89-6; LT-P1]; <1.1% Chromium [7440-47-3; LT-P1]; <4.0% Zinc [7440-66-6; LT-P1]; <1.9% Manganese [7439-96-5; LT-P1]. Curb and cover also available in 14 gauge Galvanneal Steel or 14 gauge Type 304 Stainless Steel.

### STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-18

#: 35.00 - 37.00

GS: NoGS

RC: Both

NANO: No

ROLE: base metal

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Spring/Hinge Assembly, Hold Open Arm, Latch, Mixed Hardware. Recycled content estimated by suppliers for steel used in product ranges from 18.5% total (14.0% pre-consumer and 4.5% post-consumer recycled scrap) to 97.8% total (36.5% pre-consumer and 61.3% post-consumer recycled scrap). Documentation from supplier provides the following composition for alloying elements that may individually exceed the declared threshold: max 3.1% Silicon [7440-21-3; LT-UNK]; max 2.5% Manganese [7439-96-5; LT-P1]; max 1.6% Aluminum [7429-90-5; LT-P1]; max 1.8% Nickel [7440-02-0; LT-1]; max 1.0% Chromium [7440-47-3; LT-P1]; max0.2% Vanadium [7440-62-2; LT-1].

**POLYISOCYANURATE FOAM**

ID: 9063-78-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-18**%: **0.50 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Insulation**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Curb Insulation****POLYSTYRENE**

ID: 9003-53-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-18**%: **0.30 - 0.40**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Insulation**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Cover Insulation****CELLULOSE PULP**

ID: 65996-61-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-18**%: **0.10 - 0.20**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Substrate**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Insulation Facer****CARBON BLACK**

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-18**%: **0.10 - 0.20**GS: **BM-1**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

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

**ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)**

ID: 25038-36-2

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

HAZARD SCREENING DATE: **2020-02-18**

#: **0.10 - 0.20**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Polymer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Gaskets

**ZINC**

ID: 7440-66-6

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

HAZARD SCREENING DATE: **2020-02-18**

#: **0.05 - 0.10**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Metallic Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Galvanized steel. Spring/Hinge Assembly, Hold Open Arm, Latch, Mixed Hardware.

**LIMESTONE, CALCIUM CARBONATE**

ID: 1317-65-3

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

HAZARD SCREENING DATE: **2020-02-18**

#: **0.00 - 0.30**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Powder coating applied to optional Steel. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern).

**ALUMINA TRIHYDRATE**

ID: 21645-51-2

#: **0.00 - 0.20** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**RESPIRATORY****AOEC - Asthmagens****Asthmagen (Rs) - sensitizer-induced**

SUBSTANCE NOTES: Powder coating applied to optional Steel. GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool.

**FERRIC OXIDE**ID: **1309-37-1**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-18**

#: **0.00 - 0.20** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES: Powder coating applied to Steel option. GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool. Greenscreen® Assessment prepared by ToxServices (14 Oct 2019); chemical listed on ToxFMD Screened Chemical Library as "Pigment Red 101 - Inhalation".

**TITANIUM DIOXIDE**ID: **13463-67-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-18**

#: **0.00 - 0.20** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**CANCER****US CDC - Occupational Carcinogens****Occupational Carcinogen****CANCER****CA EPA - Prop 65****Carcinogen - specific to chemical form or exposure route****CANCER****IARC****Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources****ENDOCRINE****TEDX - Potential Endocrine Disruptors****Potential Endocrine Disruptor****CANCER****MAK****Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value****CANCER****MAK****Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**

SUBSTANCE NOTES: Powder coating applied to Steel option. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Form-specific hazards: airborne particles of respirable size – occupational setting.

**RESIN BINDER**ID: **Undisclosed**

#: **0.00 - 0.40**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Powder coating applied to Steel option. Supplier has shared substance identity under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

## 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

CDPH Standard Method - Not tested

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **All**

**02-18**

CERTIFICATE URL:

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.*

### ALUMINUM SAFETY RAILING

HPD URL: [https://hpdrepository.hpd-](https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish_708_Aluminum_Safety_Railing.pdf)

[collaborative.org/repository/HPDs/publish\\_708\\_Aluminum\\_Safety\\_Railing.pdf](https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish_708_Aluminum_Safety_Railing.pdf)

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

OSHA compliant fall protection safety railings and posts specifically designed for Roof Hatches, Smoke Vents and Floor Doors.

## Section 5: General Notes



## MANUFACTURER INFORMATION

MANUFACTURER: **Babcock-Davis**  
 ADDRESS: **9300 73rd Avenue North**  
**Brooklyn Park MN 55428, USA**  
 WEBSITE: **www.babcockdavis.com**

CONTACT NAME: **Sandy McWilliams**  
 TITLE: **Director, Specification**  
 PHONE: **888.412.3726**  
 EMAIL: **smcwilliams@babcockdavis.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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> 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.*