Concealed Door Closer BTS 80 F (Floor Spring) by dormakaba

SCREENING DATE: 2026-05-20
PUBLISHED DATE: 2026-05-20
EXPIRY DATE: 2029-05-20
PREPARER: Self-Prepared

Health Product Declaration v3.0
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 1010063360
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 08 71 00 Door Hardware
PRODUCT DESCRIPTION: The door closer technology is recessed in the floor. The BTS 80 floor concealed door closer system with its product variants BTS 80 V (with closing force adjustment), BTS 80 VF (for fire and smoke doors with closing force adjustment), BTS 80 EMB (with electrohydraulic hold open function), BTS 80 FLB (with free swing function) and accessories allows adaptation to different door designs and functions.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
→ Basic Method

Threshold Disclosed Per
→ Product

Threshold Level
→ 100 ppm

Residuals/Impurities Evaluation
→ Completed

Explanation(s) provided :
Yes

For all contents above the threshold, the manufacturer has:

Characterized Yes
Provided weight and role.

Screened Yes
Provided screening results using HPDC-approved methods.

Identified No
Provided name and CAS RN or other identifier.

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.

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

CONCEALED DOOR CLOSER BTS 80 F (FLOOR SPRING) [STEEL NoGS **KRAFT PAPER** NoGS **LUBRICATING OILS** LT-1 | CAN | PBT | MUL **ZINC** LT-P1 | MUL | AQU **BRASS** NoGS **PLASTICS, E.G. GRANULATES, FORMED PARTS, FIBRES, FOILS, POLYMER RESINS, IN SOLID FORM, NOT DISPERSED, INSOLUBLE IN WATER AND INDIFFERENT** NoGS **ACRYLIC POLYMER** NoGS **]**

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-1, LT-P1

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.

PFAS DETAILS:

This product does **not** contain intentionally added PFAS, but it is **unknown** if PFAS is contained in materials or substances from suppliers.

Attestation:

dormakaba

2026-05-20

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: CDPH Standard Method - Not tested
LCA: Environmental Product Declaration (EPD) by Institut Bauen und Umwelt e.V. (IBU)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

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 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

CONCEALED DOOR CLOSER BTS 80 F (FLOOR SPRING)

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

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: -

STEEL

ID: **12597-69-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2026-05-20 2:20:19**

%: **89.0000**

GreenScreen: **NoGS**

RC: **UNK**

NANO: **No**

SUBSTANCE ROLE: **Hardware**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Steel is used for parts like the closer housing, piston, spindle, springs, fasteners, etc.

KRAFT PAPER

ID: **Not registered**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2026-05-20 2:20:19**

%: **4.0000**

GreenScreen: **NoGS**

RC: **UNK**

NANO: **No**

SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Paper is used for parts like the packaging, mounting instructions, labels, etc.

LUBRICATING OILS

ID: **74869-22-0**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2026-05-20 2:20:20**

%: **2.0000** GreenScreen: **LT-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Lubricant**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	EU - REACH Annex XVII CMRs	Carcinogens: Category 1B

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 All Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Core List - Mixtures Only
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Restrictions Based on Hazard Endpoints and Risk (Silver)

SUBSTANCE NOTES: A lubricant is applied to minimize friction and enhance the smooth movement of surfaces.

ZINC ID: **7440-66-6**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-05-20 2:20:20**

%: **2.0000** GreenScreen: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Hardware**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Children's Toy Products

SUBSTANCE NOTES: Zinc is used for parts like the regulating valve components, etc.

BRASS

ID: **12597-71-6**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-05-20 2:20:21**

%: **1.0000** GreenScreen: **NoGS** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Hardware**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Certain Metals

SUBSTANCE NOTES: Brass is used for parts like bushings, valve seats, etc.

PLASTICS, E.G. GRANULATES, FORMED PARTS, FIBRES, FOILS, POLYMER RESINS, IN SOLID FORM, NOT DISPERSED, INSOLUBLE IN WATER AND INDIFFERENT

ID: **937182-60-0**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-05-20 2:20:19**

%: **1.0000** GreenScreen: **NoGS** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Hardware**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Plastic is used for parts like O-rings, seals, washers, etc.

ACRYLIC POLYMER

ID: **9063-87-0**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-05-20 2:20:19**

%: **1.0000** GreenScreen: **NoGS** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Water-based primer and coating are applied to the exterior housing surface, etc.

Section 3: 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**

COMPLIANCE TYPE: Self-declaration
ISSUE DATE: 2026-05-20
EXPIRY DATE: No expiration
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: None
COMPLIANCE DETAILS:
COMPLIANCE SCOPE:
APPLICABLE FACILITIES: Singapore
COMPLIANCE URL:
COMPLIANCE NOTES: This HPD is for a product that is NOT liquid/wet applied.

LCA — **Environmental Product Declaration (EPD) by Institut Bauen und Umwelt e.V. (IBU)**

COMPLIANCE TYPE: Third-party certification
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Institut Bauen und Umwelt e.V
COMPLIANCE DETAILS:
COMPLIANCE SCOPE: Product
APPLICABLE FACILITIES: Singapore
COMPLIANCE URL:
https://assets.ctfassets.net/y0dk4vkszqeh/dLCaf5141kMO1vWOzlQer/15e3abf5ac4d4d7fdcdedc9f66b7ffc6/Floor_Spring_BTS_80_series.pdf
COMPLIANCE NOTES: This HPD is for a product that is NOT liquid/wet applied.

ISSUE DATE: 2025-07-16
EXPIRY DATE: 2030-07-15

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

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.
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All sales of products shall be subject to dormakaba's applicable General Terms and Conditions, a copy of which will be provided by your local dormakaba organisation upon request.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **dormakaba**
ADDRESS: **12 Tukang Innovation Drive Boon Lay, Jurong 618303**
COUNTRY: **Singapore**
WEBSITE: **www.dormakaba.com**
CONTACT NAME: **www.dormakabagroup.com/en/contact**
TITLE: **-**
PHONE: **-**
EMAIL: **sustainability@dormakaba.com**

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

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown
NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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 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.