Double Action Floor Spring BTS 84 (Floor spring) by dormakaba

CLASSIFICATION: 08 71 00 DOOR HARDWARE

PRODUCT DESCRIPTION: THE BTS 84 IS A DOUBLE-ACTION FLOOR SPRING WHICH HAS BEEN SPECIALLY DEVELOPED FOR THE ALUMINUM AND TOUGHENED GLASS DOOR INDUSTRIES. THE BTS 84 HAS MANY OF THE FEATURES OF THE OTHER DORMAKABA BTS CLOSERS WITH THE ADDITION OF REDUCED DEPTH AND AN ARRAY OF ACCESSORIES DESIGNED FOR THE ALUMINUM DOOR FABRICATOR AND TOUGHENED GLASS DOOR MANUFACTURER.

Health Product Declaration v2.0

created via: HPDC Online Builder

Section 1: Summary

CONTENT INVENTORY

Threshold per material
- (●) 100 ppm
- ( ) 1,000 ppm
- ( ) Per GHS SDS
- ( ) Per OSHA MSDS
- ( ) Other

Residuals and impurities considered in 0 of 1 materials
- (●) see Section 2: Material Notes
- (●) see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized..... Are the Percent Weight and Role provided for all substances?	(●) Yes	( ) No
Screened..... Are all substances screened using Priority Hazard Lists with results disclosed?	(●) Yes	( ) No
Identified..... 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

DOUBLE ACTION FLOOR SPRING BTS 84 (FLOOR SPRING) [IRON LT-P1 | END STEEL NoGS LUBRICATING OILS LT-1 | CAN | PBT | MUL ALUMINUM LT-P1 | RES | END | PHY STAINLESS STEEL NoGS VINYL ACETATE, POLYMER WITH N-BUTYL ACRYLATE LT-UNK EPICHLOROHYDRIN-BISPHENOL A RESIN LT-P1 | EYE | SKI | AQU | MUL]

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
LCA: Environmental Product Declaration
LCA: Environmental Product Declaration

See Section 3 for additional listings.

(●) Self-Published*	VERIFIER:	SCREENING DATE: July 11, 2017	EXPIRY DATE*: July 11, 2020
( ) Third Party Verified	VERIFICATION #:	RELEASE DATE: July 21, 2017	* or within 3 months of significant change in product contents

See HPDC website for details

Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

DOUBLE ACTION FLOOR SPRING BTS 84 (FLOOR SPRING) **%: 100.0000** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes:

IRON ID: 7439-89-6

%: 52.7100	GS: LT-P1	RC: Both	NANO: NO	ROLE: Closer body

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

STEEL ID: 12597-69-2

%: 37.5600	GS: NoGS	RC: Both	NANO: NO	ROLE: Closer body

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

LUBRICATING OILS ID: 74869-22-0

%: 6.3200	GS: LT-1	RC: None	NANO: NO	ROLE: Hydraulic fluid

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	EU - R-phrases	R45 - May cause cancer
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	Australia - GHS	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 mimimal and the listed hazards can be deemed irrelevant to the end-user.

ALUMINUM ID: 91728-14-2

%: 2.7300	GS: LT-P1	RC: Both	NANO: NO	ROLE: Closer body

HAZARDS:		AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: Aluminum Alloy (Mixture)

STAINLESS STEEL ID: 12597-68-1

%: 0.2300	GS: NoGS	RC: Both	NANO: NO	ROLE: Screws

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: 340

VINYL ACETATE, POLYMER WITH N-BUTYL ACRYLATE ID: 25067-01-0

%: 0.2000 - 0.5700	GS: LT-UNK	RC: None	NANO: NO	ROLE: Paint and Primer

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

EPICHLOROHYDRIN-BISPHENOL A RESIN ID: 25068-38-6

%: 0.0500 - 0.1000	GS: LT-P1	RC: None	NANO: NO	ROLE: Primer

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Ingredient in the closer primer. The primer is covered with a coat of paint, thus reducing exposure and any risk associated with this 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.

LCA

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Suzhou, China
CERTIFICATE URL:
https://www.dormakaba.com/resource/blob/17112/75e88e42260a52e153780574a702325e/epd-ule-rts-85-rts-88-bts-84-en-data.pdf
CERTIFICATION AND COMPLIANCE NOTES:

Environmental Product Declaration

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2014-10-28	2019-10-27	UL Environment

LCA

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Suzhou, China
CERTIFICATE URL:
https://www.dormakaba.com/resource/blob/17212/81e470885695d05f808094ec7f9dfb4e/epd-rts-85---rts-88----bts-84-en-data.pdf
CERTIFICATION AND COMPLIANCE NOTES:

Environmental Product Declaration

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2014-10-28	2019-10-27	Institut Bauen und Umwelt e.V. (IBU)

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

Dorma and Kaba become dormakaba - a smart step for smart access solutions. We offer products, solutions and services for secure access to buildings and rooms - now all from a single source. With more than 150 years of experience, we stand for security, sustainability and reliability. For more information, please go to: 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 LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL dormakaba BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING FROM THE SALE OR USE OF ANY PRODUCT. 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: DORMA Platz 1
Rümlang, ZH 8153
Switzerland

WEBSITE: www.dormakaba.com

CONTACT NAME: Lea Kullmann

TITLE: Manager Sustainable Projects

PHONE: +41 44 818 91 11

EMAIL: sustainability@dormakaba.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classi cation 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 Unspeci ed (insu cient 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)
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.