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.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Threshold per material</th>
<th>Residuals and impurities considered in</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td>0 of 1 materials</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td>see Section 2:</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td>Material Notes</td>
</tr>
<tr>
<td>Other</td>
<td>General Notes</td>
</tr>
</tbody>
</table>

Based on the selected Content Inventory Threshold:

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

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.

* See HPDC website for details

Double Action Floor Spring BTS 84 (Floor spring) Health Product Declaration Page 1 of 6 created via: HPDC Online Builder www.hpd-collaborative.org
## 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)

<table>
<thead>
<tr>
<th>Material</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARDS</th>
<th>AGENCY(IES) WITH WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRON</td>
<td>7439-89-6</td>
<td>52.7100</td>
<td>LT-P1</td>
<td>Both</td>
<td>NO</td>
<td>Closer body</td>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
</tr>
<tr>
<td>STEEL</td>
<td>12597-69-2</td>
<td>37.5600</td>
<td>NoGS</td>
<td>Both</td>
<td>NO</td>
<td>Closer body</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
<tr>
<td>LUBRICATING OILS</td>
<td>74869-22-0</td>
<td>6.3200</td>
<td>LT-1</td>
<td>None</td>
<td>NO</td>
<td>Hydraulic fluid</td>
<td>CANCER</td>
<td>EU - R-phrases</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PBT</td>
<td>EC - CEPA DSL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CANCER</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CANCER</td>
<td>EU - REACH Annex XVII CMRs</td>
</tr>
</tbody>
</table>
### Aluminum

**ID:** 91728-14-2  
**%:** 2.7300  
**GS:** LT-P1  
**RC:** Both  
**NANO:** NO  
**ROLE:** Closer body

**HAZARDS:**

<table>
<thead>
<tr>
<th>AGENCY(IES) WITH WARNINGS:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RESPIRATORY</strong></td>
<td><strong>AOEC - Asthmagens</strong></td>
</tr>
<tr>
<td><strong>ENDOCRINE</strong></td>
<td><strong>TEDX - Potential Endocrine Disruptors</strong></td>
</tr>
<tr>
<td><strong>PHYSICAL HAZARD</strong></td>
<td><strong>EU - GHS (H-Statements)</strong></td>
</tr>
<tr>
<td><strong>PHYSICAL HAZARD</strong></td>
<td><strong>EU - GHS (H-Statements)</strong></td>
</tr>
<tr>
<td><strong>PHYSICAL HAZARD</strong></td>
<td><strong>EU - GHS (H-Statements)</strong></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Aluminum Alloy (Mixture)

### Stainless Steel

**ID:** 12597-68-1  
**%:** 0.2300  
**GS:** NoGS  
**RC:** Both  
**NANO:** NO  
**ROLE:** Screws

**HAZARDS:**

None Found

**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:**

None Found

**SUBSTANCE NOTES:**

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.
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
CERTIFICATION AND COMPLIANCE NOTES:

**Environmental Product Declaration**
ISSUE DATE: 2014-
EXPiry DATE: 2019-10-
CERTIFIER: UL Environment

**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.
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 Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

Aquatic toxicity
Cancer
Developmental toxicity
Endocrine activity
Eye irritation/corrosivity
Gene mutation

Global warming
Mammalian/systemic/organ toxicity
Neurotoxicity
Multiple hazards
Ozone depletion
Persistent Bioaccumulative Toxic

Physical Hazard (reactive)
Reproductive toxicity
Respiratory sensitization
Skin sensitization/irritation/corrosivity
Land Toxicity
Not found on Priority Hazard Lists

GreenScreen (GS)

Benchmark 4 (prefer-safer chemical)
Benchmark 3 (use but still opportunity for improvement)
Benchmark 2 (use but search for safer substitutes)
Benchmark 1 (avoid - chemical of high concern)
Benchmark Unspecified (insufficient data to benchmark)

List Translator

Possible Benchmark 1
Likely Benchmark 1
Benchmark Unknown (insufficient information from List Translator lists to benchmark)
Unknown (no data on List Translator Lists)

Recycled Types

PreConsumer (Post-Industrial)
PostConsumer
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.